DENON

MULTI CHANNEL POWER AMPLIFIER

POA-3012CI

Owner's Manual

Bedienungsanleitung

❑ SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- Observe and follow local regulations regarding battery disposal.
- Do not expose the unit to dripping or splashing fluids.
- Do not place objects filled with liquids, such as vases, on the unit.

ACHTUNG:
- Die Belüftung sollte auf keinen Fall durch das Abdecken der Belüftungsöffnungen durch Gegenstände wie beispielsweise Zeitungen, Tischtücher, Vorhänge o. Ä. behindert werden.
- Auf dem Gerät sollten keinerlei direkte Feuerquellen wie beispielsweise angezündete Kerzen aufgestellt werden.
- Bitte beachten Sie bei der Entsorgung der Batterien die örtlich geltenden Umweltbestimmungen.
- Das Gerät sollte keiner tropfenden oder spritzenden Flüssigkeit ausgesetzt werden.
- Auf dem Gerät sollten keine mit Flüssigkeit gefüllten Behälter wie beispielsweise Vasen aufgestellt werden.

IMPOTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings.
   Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel.
    Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAUTION:
To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.
The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

VORSICHT:
Um dieses Gerät vollständig von der Stromversorgung abzutrennen, ziehen Sie bitte den Stecker aus der Wandsteckdose.
Der Netzstecker wird verwendet, um die Stromversorgung zum Gerät völlig zu unterbrechen; er muss für den Benutzer gut und einfach zu erreichen sein.

FCC INFORMATION (For US customers)

1. COMPLIANCE INFORMATION
Product Name: Multi Channel Power Amplifier
Model Number: POA-3012CI

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation.

Denon Electronics (USA), LLC
(a D & M Holdings Company)

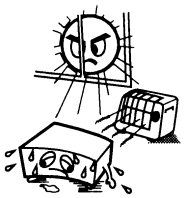
100 Corporate Drive
Mahwah, NJ 07430-2041
Tel. (800) 497-8921

2. IMPORTANT NOTICE: DO NOT MODIFY THIS PRODUCT
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by DENON may void your authority, granted by the FCC, to use the product.

3. NOTE
This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the local retailer authorized to distribute this type of product or an experienced radio/TV technician for help.

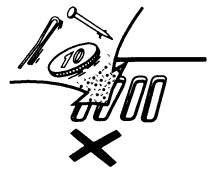
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

❑ NOTE ON USE / HINWEISE ZUM GEBRAUCH

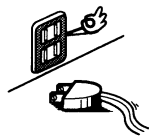


- Avoid high temperatures.
  Allow for sufficient heat dispersion when installed in a rack.
- Vermeiden Sie hohe Temperaturen.
  Beachten Sie, dass eine ausreichende Belüftung gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.

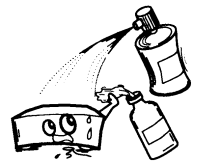
- Keep the unit free from moisture, water, and dust.
- Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.



- Do not let foreign objects into the unit.
- Lassen Sie keine fremden Gegenstände in das Gerät kommen.

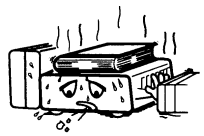


- Unplug the power cord when not using the unit for long periods of time.
- Wenn das Gerät längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.



- Do not let insecticides, benzene, and thinner come in contact with the unit.
- Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.

- Handle the power cord carefully.
  Hold the plug when unplugging the cord.
- Gehen Sie vorsichtig mit dem Netzkabel um.
  Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen.



* (For apparatuses with ventilation holes)

- Do not obstruct the ventilation holes.
- Decken Sie den Lüftungsbereich nicht ab.

- Never disassemble or modify the unit in any way.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.

❑ For Europe model

DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:
EN60065, EN55013, EN55020, EN61000-3-2 and EN61000-3-3.
Following the provisions of 2006/95/EC and 2004/108/EC Directive.

ÜBEREINSTIMMUNGSERKLÄRUNG

Wir erklären unter unserer Verantwortung, daß dieses Produkt, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht:
EN60065, EN55013, EN55020, EN61000-3-2 und EN61000-3-3.
Entspricht den Verordnungen der Direktive 2006/95/EC und 2004/108/EC.

DENON Europe
Division of D&M Germany GmbH
An der Landwehr 19, Nettetal,
D-41334 Germany

A NOTE ABOUT RECYCLING:

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations.
When discarding the unit, comply with local rules or regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning battery disposal.
This product and the supplied accessories, excluding the batteries, constitute the applicable product according to the WEEE directive.

HINWEIS ZUM RECYCLING:

Das Verpackungsmaterial dieses Produktes ist zum Recyceln geeignet und kann wieder verwendet werden. Bitte entsorgen Sie alle Materialien entsprechend der örtlichen Recycling-Vorschriften.
Beachten Sie bei der Entsorgung des Gerätes die örtlichen Vorschriften und Bestimmungen.
Die Batterien dürfen nicht in den Hausmüll geworfen oder verbrannt werden; bitte entsorgen Sie die Batterien gemäß der örtlichen Vorschriften.
Dieses Produkt und das im Lieferumfang enthaltene Zubehör (mit Ausnahme der Batterien!) entsprechen der WEEE-Direktive.

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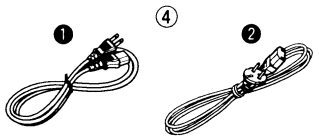
Getting Started

Thank you for purchasing this DENON product. To ensure proper operation, please read this owner's manual carefully before using the product.
After reading them, be sure to keep them for future reference.

Accessories

Check that the following parts are supplied with the product.

① Owner's manual 1
② Warranty (for North America model only) 1
③ Service station list 1
④ Power cord 1
Cord length: ❶ North America model: 6.6 ft /2.0 m
❷ Europe model: 5.2 ft /1.6 m

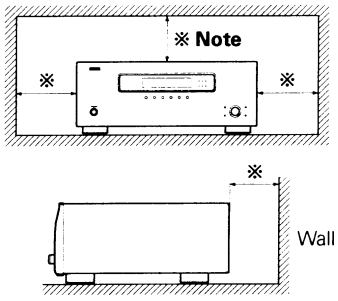


Cautions on Handling

- **Before turning the ON/STANDBY switch on**
  Check once again that all connections are correct and that there are no problems with the connection cables.
- Power is supplied to some of the circuitry even when the unit is set to the standby mode. When traveling or leaving home for long periods of time, be sure to unplug the power cord from the power outlet.
- **About condensation**
  If there is a major difference in temperature between the inside of the unit and the surroundings, condensation (dew) may form on the operating parts inside the unit, causing the unit not to operate properly.
  If this happens, let the unit sit for an hour or two with the power turned off and wait until there is little difference in temperature before using the unit.
- **Cautions on using mobile phones**
  Using a mobile phone near this unit may result in noise. If so, move the mobile phone away from this unit when it is in use.
- **Moving the unit**
  Turn off the power and unplug the power cord from the power outlet.
  Next, disconnect the connection cables to other system units before moving the unit.
- Note that the illustrations in these instructions may differ from the actual unit for explanation purposes.

Cautions on Installation

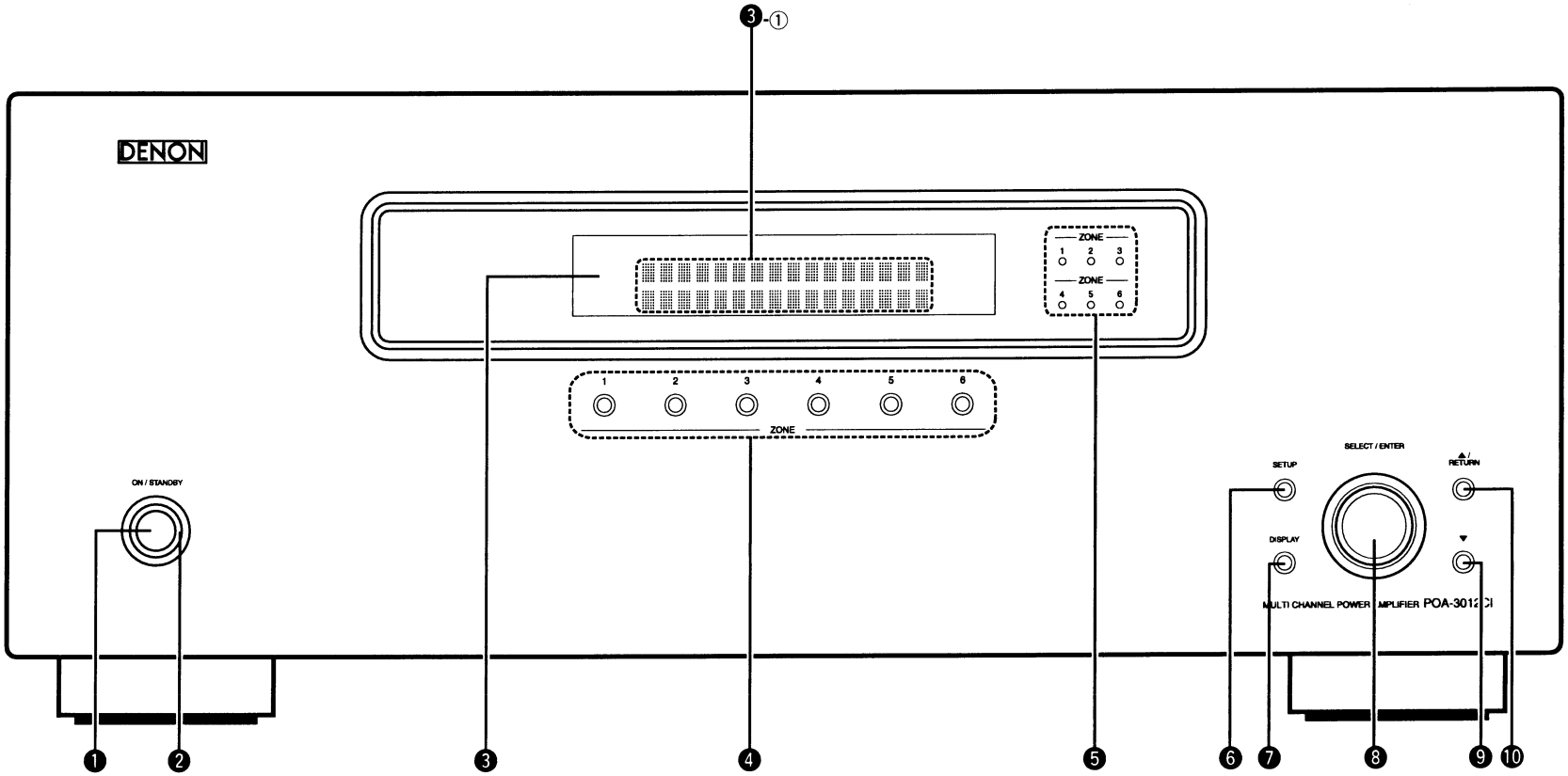
Note:
For proper heat dispersal, do not install this unit in a confined space, such as a bookcase or similar enclosure.



Part Names and Functions

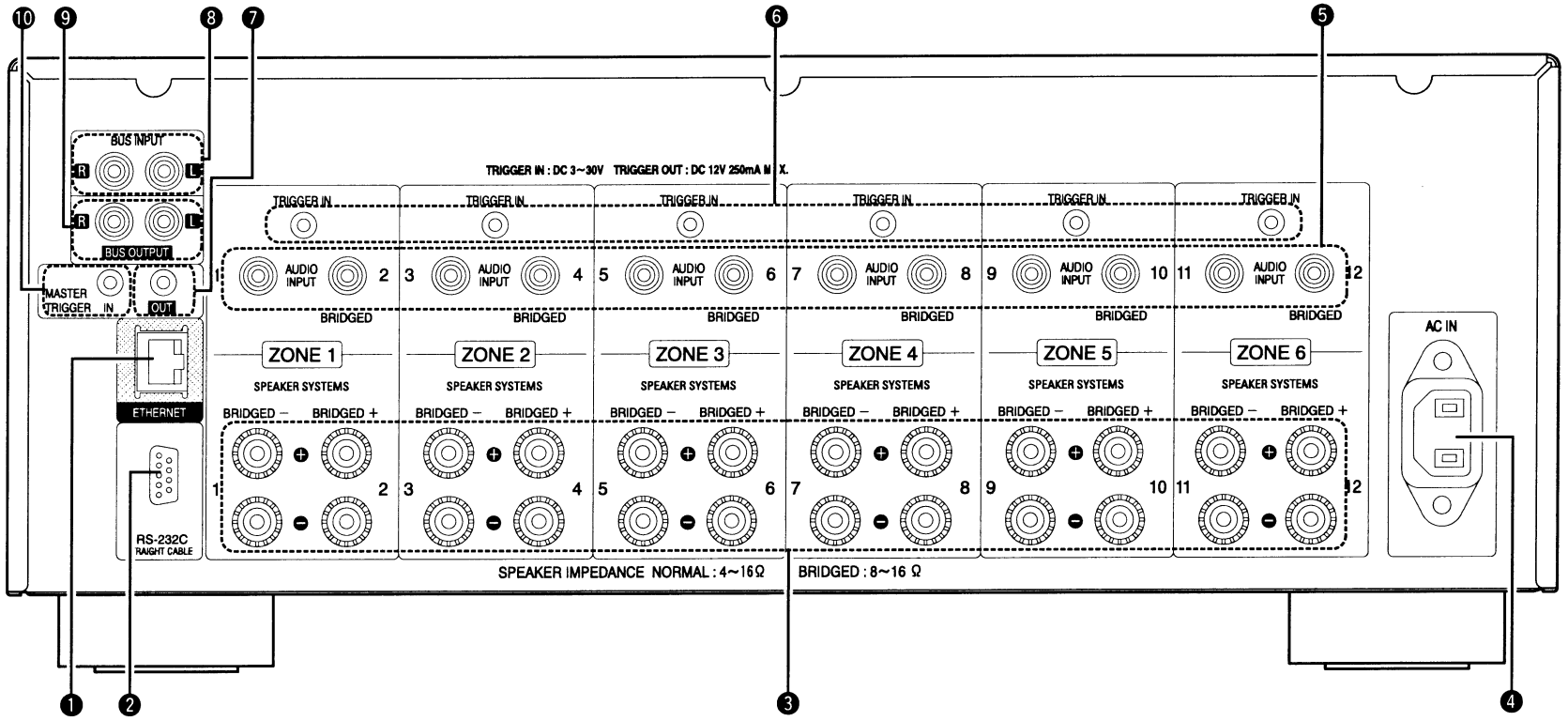
For buttons not explained here, see the page indicated in parentheses ( ).

Front Panel



❶ **Power operation button (ON / STANDBY)** ..... (17)
❷ **Power indicator** ..... (17)
❸ **Display** ..... (17)
① **Information display**
Displays present status information and Setup menu etc.,
❹ **ZONE select buttons** ..... (10)
❺ **ZONE operation mode indicators** ..... (6, 13)
❻ **SETUP button** ..... (10)
❼ **DISPLAY button** ..... (17)
❽ **SELECT / ENTER knob** ..... (10)
❾ **▽ (Down) button** ..... (10)
❿ **△ (Up) / RETURN button** ..... (10)

Rear Panel



❶ **ETHERNET connector** ..... (8)
❷ **RS-232C connector** ..... (9)
❸ **Speaker terminals (SPEAKER SYSTEMS)** ..... (5)
❹ **AC inlet (AC IN)** ..... (10)
❺ **AUDIO INPUT connectors** ..... (7)
❻ **TRIGGER IN jacks** ..... (9)
❼ **MASTER TRIGGER OUT jack** ..... (9)
❽ **BUS INPUT connectors** ..... (7)
❾ **BUS OUTPUT connectors** ..... (7)
❿ **MASTER TRIGGER IN jack** ..... (9)

Connections

Connections for all compatible audio signal formats are described in this owner's manual. Please select the types of connections suited for the equipment you are connecting.
With some types of connections, certain settings must be made on the POA-3012CI. For details, refer to the instructions for the respective connection items below.

NOTE

- Do not plug in the power cord until all connections have been completed.
- When making connections, also refer to the operating instructions of the other components.
- In the case of Bus input/output connections, be sure to connect the left and right channels properly (left with left, right with right).
- Do not bundle power cords together with connection cables. Doing so can result in humming or noise.

Preparations

Before Connecting

The POA-3012CI incorporates six sets of 2-channel amplifier from ZONE1 to ZONE6.
The same audio signal can be output from all ZONE or separate signals can be output from each ZONE. The POA-3012CI also supports BRIDGED output.
Before making the connections, determine the input signals and output signals for each ZONE and then set up the POA-3012CI in accordance with the following procedure.

❑ Input Setting

Select the input terminal to use.

↓ Each Zone input connectors or BUS input connectors.

Connect the external device to the input terminal.

↓ "INPUT SELECT" (☞page 13)

Set the input source.

"Input Connection" (☞page 7)

❑ Output Setting

Select the speaker output method.

↓ NORMAL output or BRIDGED output

Connect the speaker cable.

↓ "Speaker Connections" (☞page 5)

Set the output channel.

"OPERATION MODE" (☞page 13)

Cables Used for Connections

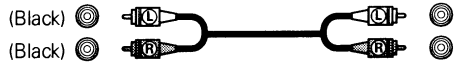
Select the cables according to the equipment being connected.

Audio cables

Audio input connections

Pin-plug cable

Businput/output connections (stereo)



Stereo pin-plug cable

Network connections

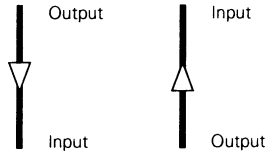
Ethernet cable

Speaker connections

Speaker cables

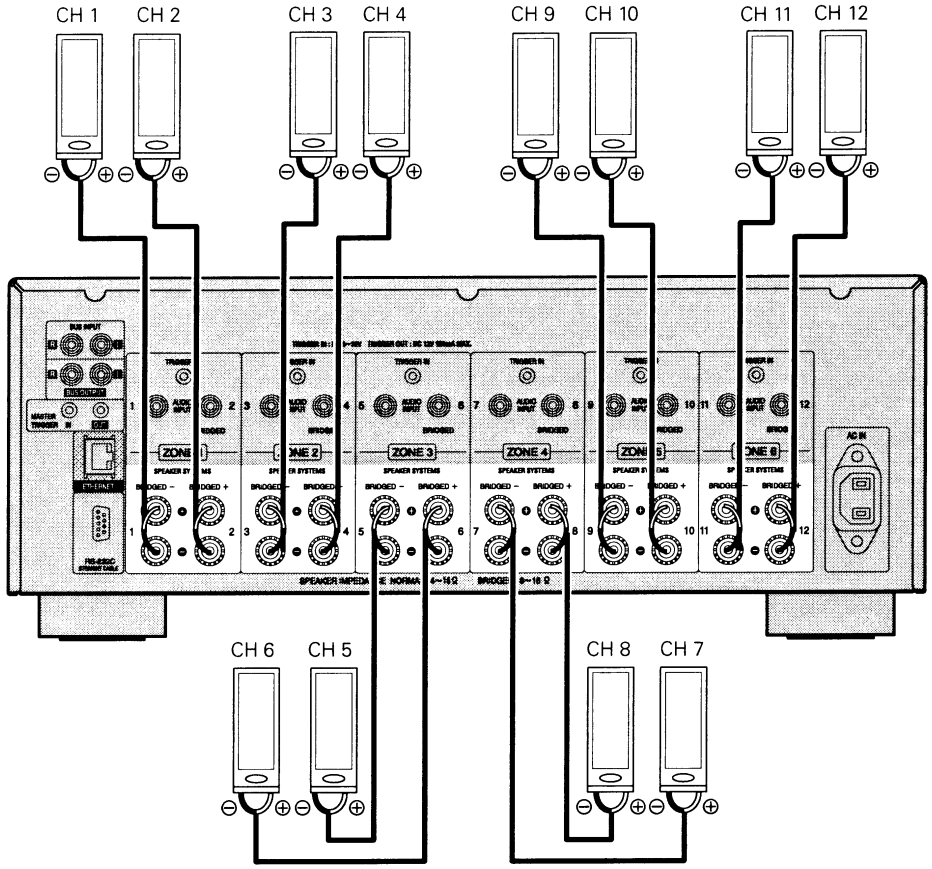
Signal direction

Audio signal:



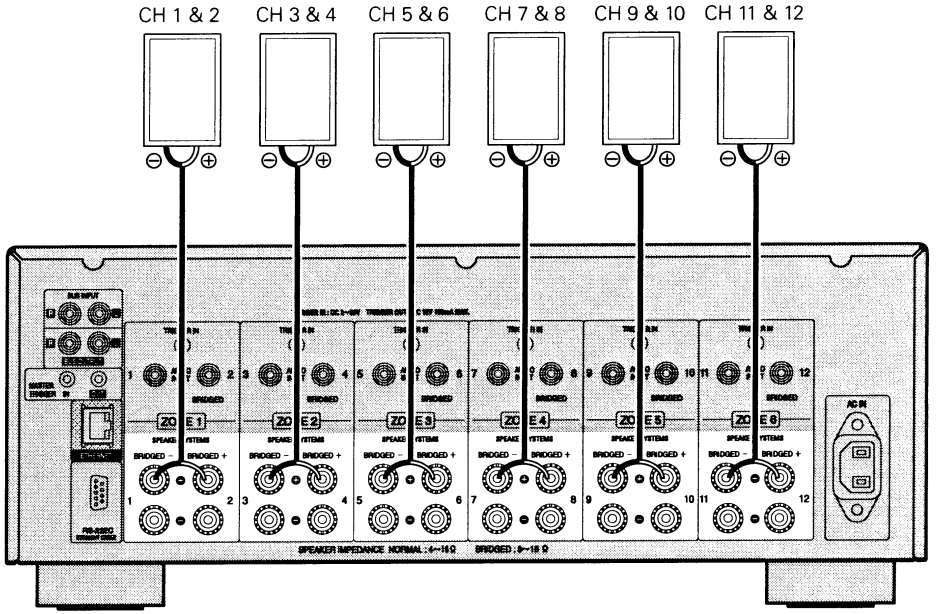
Speaker Connections

Connection Method When Outputting 2 Channels From One ZONE



Connection Method for BRIDGED Output

- In BRIDGED mode, one channel is output from one ZONE.
- To set BRIDGED mode, select "BRIDGED" as the "OPERATION MODE" on the "Main Setup" menu.
- When BRIDGED out putting a signal input to the AUDIO INPUT terminal, input to an even-numbered input terminal.
- To select a signal for BRIDGED output from among the signals ("L", "R", "L+R") input to the BUS INPUT terminal, use "INPUT SELECT" on the "Main Setup" menu.



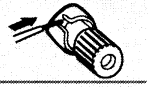
Connecting the Speaker Cables

Carefully check the channel numbers and + (red) and – (black) polarities on the speakers being connected to the POA-3012CI, and be sure to interconnect the channels and polarities correctly.

1 Peel off about 0.03 ft/10 mm of sheathing from the tip of the speaker cable, then either twist the core wire tightly or terminate it.

2 Turn the speaker terminal counterclockwise to loosen it.

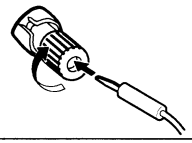
3 Insert the speaker cable's core wire to the hilt into the speaker terminal.



4 Turn the speaker terminal clockwise to tighten it.

When using a banana plug (for North America model)

Tighten the speaker terminal firmly before inserting the banana plug.



NOTE

- Use speakers with an impedance of 4 to 16 Ω/ohms. Use a 8 to 16 Ω/ohms speaker for BRIDGED output.
- Connect the speaker cables in such a way that they do not stick out of the speaker terminals. The protection circuit may be activated if the core wires touch the rear panel or if the + and – sides touch each other (☞ "Protection circuit").
- Never touch the speaker terminals while the power supply is connected. Doing so could result in electric shock.

Protection circuit

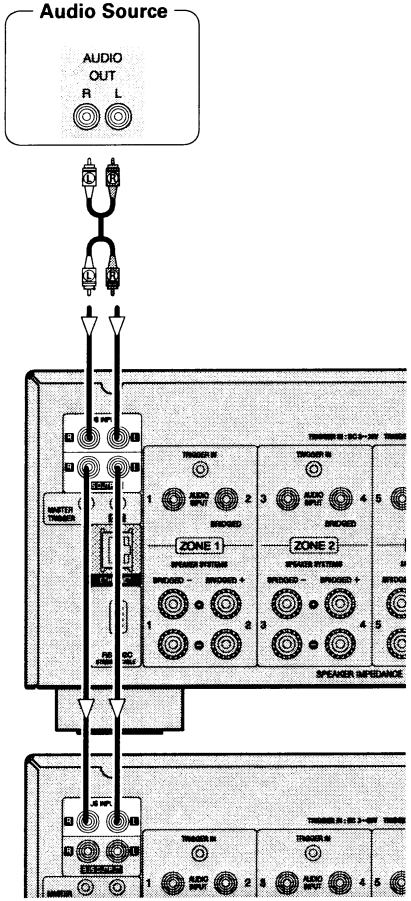
If speakers with an impedance lower than specified (for example 4 Ω/ohms speakers/NORMAL MODE) are used for an extended period of time with the volume turned up high, the temperature may rise, activating the protection circuit.
There are 2 kind of protection circuits in POA-3012CI.
1. Protection circuit for individual Ampilfier (Zone1 ~ 6)
   This protection circuit detects over load condition of the amplifier circuit.
   When the protection circuit is activiated, the speaker output of individual Amplifier (Zone1 ~ 6) is shut off, and the Zone operation mode indicator for protected Zone No. flashes red.
   If this happen, unplug the power cord, then check the speaker cable and input cable connections.
2. Temperature rise protection circuit in the chassis
   This protection circuit detects temperature rising in the chassis.
   When the protection circuit is activiated, the power source for all Amplifier circuits is shut off, and the power indicator flashes red.
   If this happen, it may be extremely hot in the chassis, unplug the power cord.
   Wait for it too cool off and improve ventilation around it.

Once this is done, plug the power cord back in and turn the set's power back on.
If the protection circuit is activated again even though there are no problems in the ventilation around the set nor in the connections, the set may be damaged. Turn the power off, then contact a DENON service center.

Input Connections

BUS INPUT Connections

- To play signals input to the BUS INPUT terminal, select the channel using "INPUT SELECT" on the "Main Setup" menu.
- When "BUS L+R" is used, signals input to BUS INPUT L and R are mixed and output as monaural.



Signals input from the BUS INPUT are output from the BUS OUTPUT terminal. These signals can be output to the BUS INPUT terminal of another POA-3012CI unit.

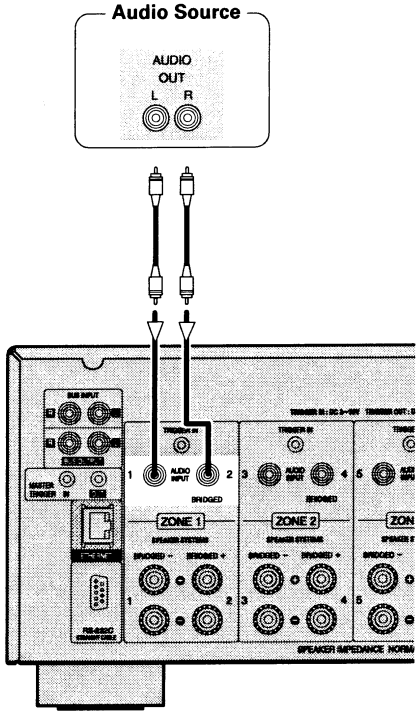
AUDIO INPUT Connections

❑ When Using in NORMAL MODE

To play signals input to the AUDIO INPUT terminal, use "INPUT SELECT" on the "Main Setup" menu to set each channel to AUX.

[Example]

Connect the left and right channels from audio source to audio inputs of arbitrary numbers.

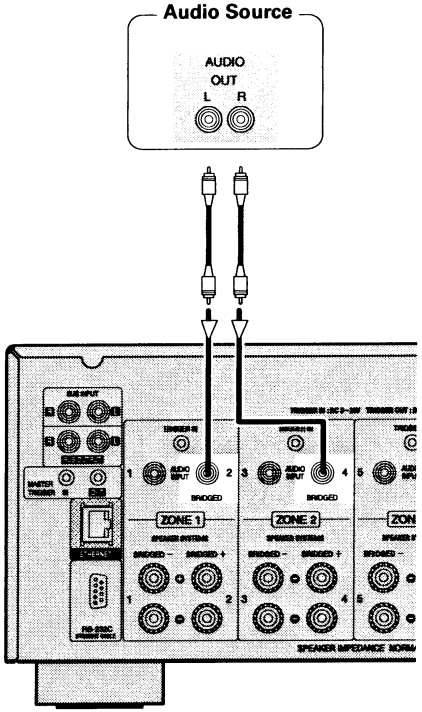


❑ When Using in BRIDGED MODE

Input BRIDGED output signals to an even-numbered input terminal.

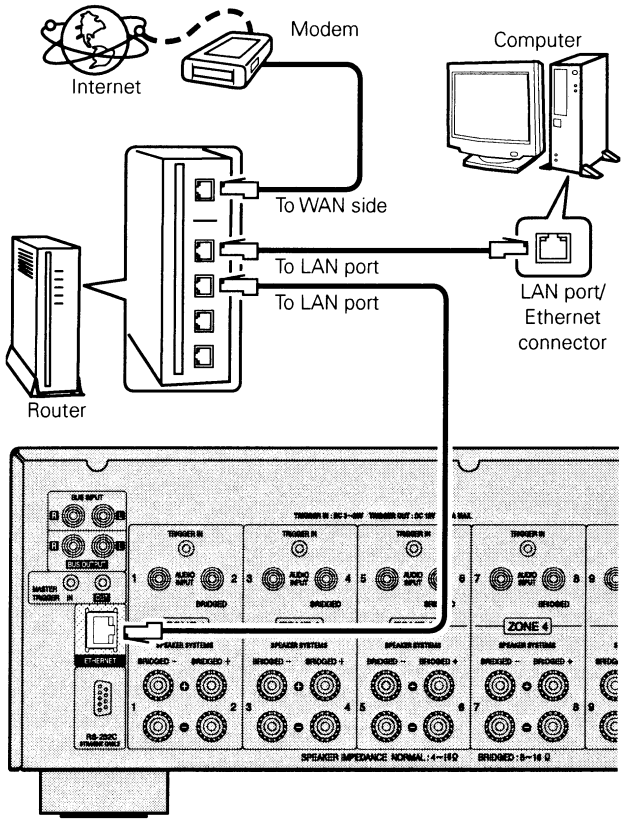
[Example]

Connect the left and right channels from audio source to audio inputs of arbitrary numbers.



Connections to Other Devices

ETHERNET Connections



Required System

❑ Broadband Internet Connection

A broadband line connection to the Internet is required in order to use the POA-3012CI's firmware update.

❑ Modem

This is a device that is connected to the broadband line to communicate with the Internet. Some are integrated with the router.

❑ Router

- When using the POA-3012CI, we recommend you use a router equipped with the following functions:
  - Built-in DHCP (Dynamic Host Configuration Protocol) server
    This function automatically assigns IP addresses on the LAN.
  - Built-in 100 BASE-TX switch
    When connecting multiple devices, we recommend a switching hub with a speed of 100 Mbps or greater.

❑ Ethernet Cable (CAT-5 or greater recommended)

- The POA-3012CI does not come with an Ethernet cable.
- Some flat type Ethernet cables are easily affected by noise. We recommend using a normal type cable.
- If the sound is broken in an environment in which there is much power supply noise from electric products or in a noisy network environment, use a shielded type Ethernet cable (For North America model).
- For the Ethernet cable, used a shielded twisted pair (STP) cable. Do not use an unshielded twisted pair (UTP) cable, as it may exceed noise standard limits (For Europe model).

❑ Computer

A computer with the following specifications is required to use a server:

- OS
  Windows® XP Service Pack2, Windows Vista
- Internet browser
  Microsoft Internet Explorer 5.01 or later
- LAN port

For connections to the Internet, contact an ISP (Internet Service Provider) or a computer shop.

NOTE

- A contract with an ISP is required to connect to the Internet. No additional contract is needed if you already have a broadband connection to the Internet.
- The types of routers that can be used depend on the ISP. Contact an ISP or a computer shop for details.

❑ Others

- If you have an Internet provider contract for a line on which network settings are made manually, make the settings at "Network Setup" (☞page 15).
- With the POA-3012CI, it is possible to use the DHCP and Auto IP functions to make the network settings automatically.
- When using a broadband router (DHCP function), the POA-3012CI sets the IP address, etc., automatically.
  When using the POA-3012CI connected to a network with no DHCP function, make the settings for the IP address, etc., at "Network Setup" (☞page 15).
- The POA-3012CI is not compatible with PPPoE. A PPPoE-compatible router is required if you have a contract for a line of the type with which the PPPoE is set.

External Controller

RS-232C connector

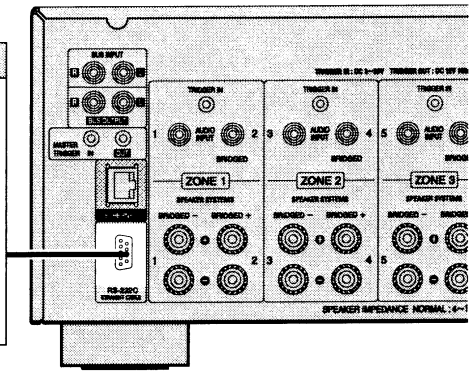
This connector is used for an external controller.

※ If you wish to control the POA-3012CI from an external controller using the RS-232C connector, perform the operation below beforehand.

① Turn the POA-3012CI's power.

② Turn off the POA-3012CI's power from the external controller.

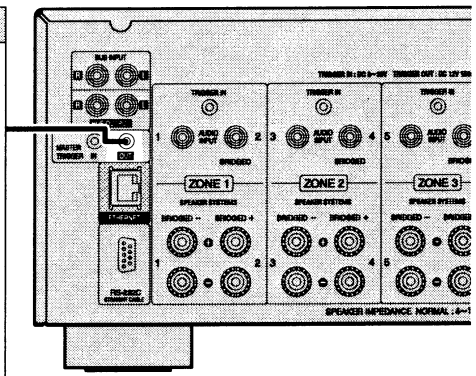
③ Check that the POA-3012CI is in the standby mode.



Trigger output jack

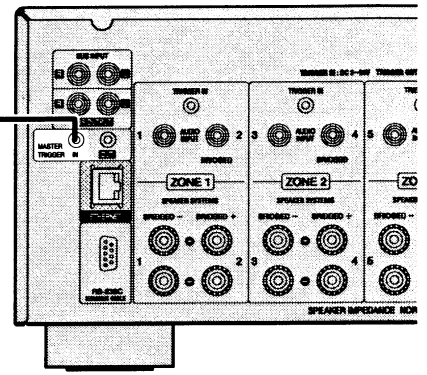
The power of an external device equipped with a trigger input jack can be turned on and off in association with operations on the POA-3012CI.

- Output level: 250 mA/12 V
  Check the trigger input conditions of the connected device.
- If the trigger input level of the connected device is higher than 250 mA/12 V and depending on the short-circuiting conditions, the POA-3012CI's protection circuit may be activated, in which case "TRIGGER OUT OVER LOAD" appears on the display. If this happens, turn off the POA-3012CI's power and disconnect the connected device.



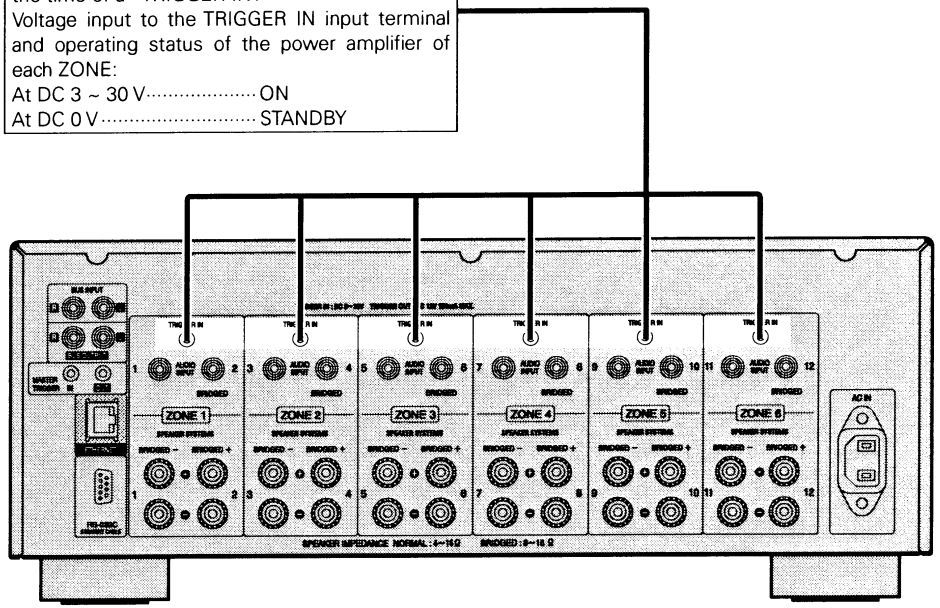
Master trigger input jack

The "POWER CONFIGURATION" setting is valid at the time of a "MASTER TRIGGER".
Voltage input to the MASTER TRIGGER input terminal and operating status of the POA-3012CI:
At DC 3 ~ 30 V..... ON
At DC 0 V..... STANDBY



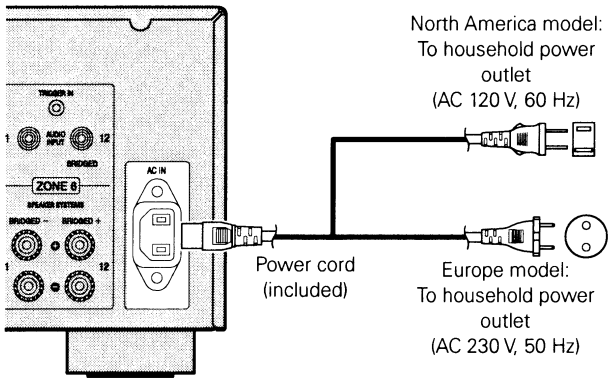
ZONE trigger input jack

The ZONE TRIGGER ON MODE setting is valid at the time of a "TRIGGER IN".
Voltage input to the TRIGGER IN input terminal and operating status of the power amplifier of each ZONE:
At DC 3 ~ 30 V..... ON
At DC 0 V..... STANDBY



Connecting the Power Cord

Wait until all connections have been completed before connecting the power cord.



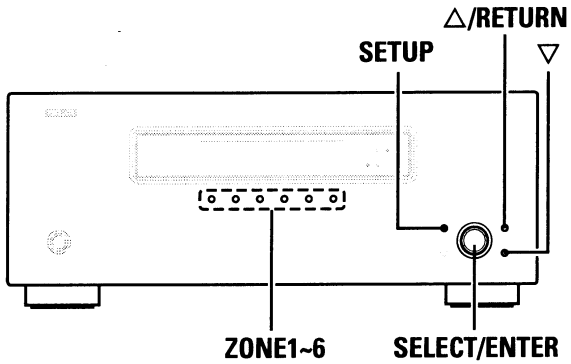
NOTE

Insert the AC plugs securely. Incomplete connections could cause noise.

Once Connections are Completed

Turning the Power On (☞page 17)

Setup



Example of Display of Default Values

In lists of selectable items or adjustable ranges, the item surrounded by a border is the default value.

[Selectable items] **Bright** **Dim** **Dark** **OFF**

Operations

For all settings, refer to "Menu map" (☞page 11, 12).
For details of individual settings refer to the explanations of settings (☞page 13 ~ 16).

1 Press the SETUP button.
The POA-3012CI enters the "SETUP" mode and the first level menu is displayed.
The selected item blinks.

2 Select the required item on the menu and set it.

Using the menu

❑ **To select the item to be set**
Turn the **SELECT/ENTER** knob until the item you want to set appears.

❑ **To enable lower level menu items to be displayed**
Press the **SELECT/ENTER** knob or the ▽ button.

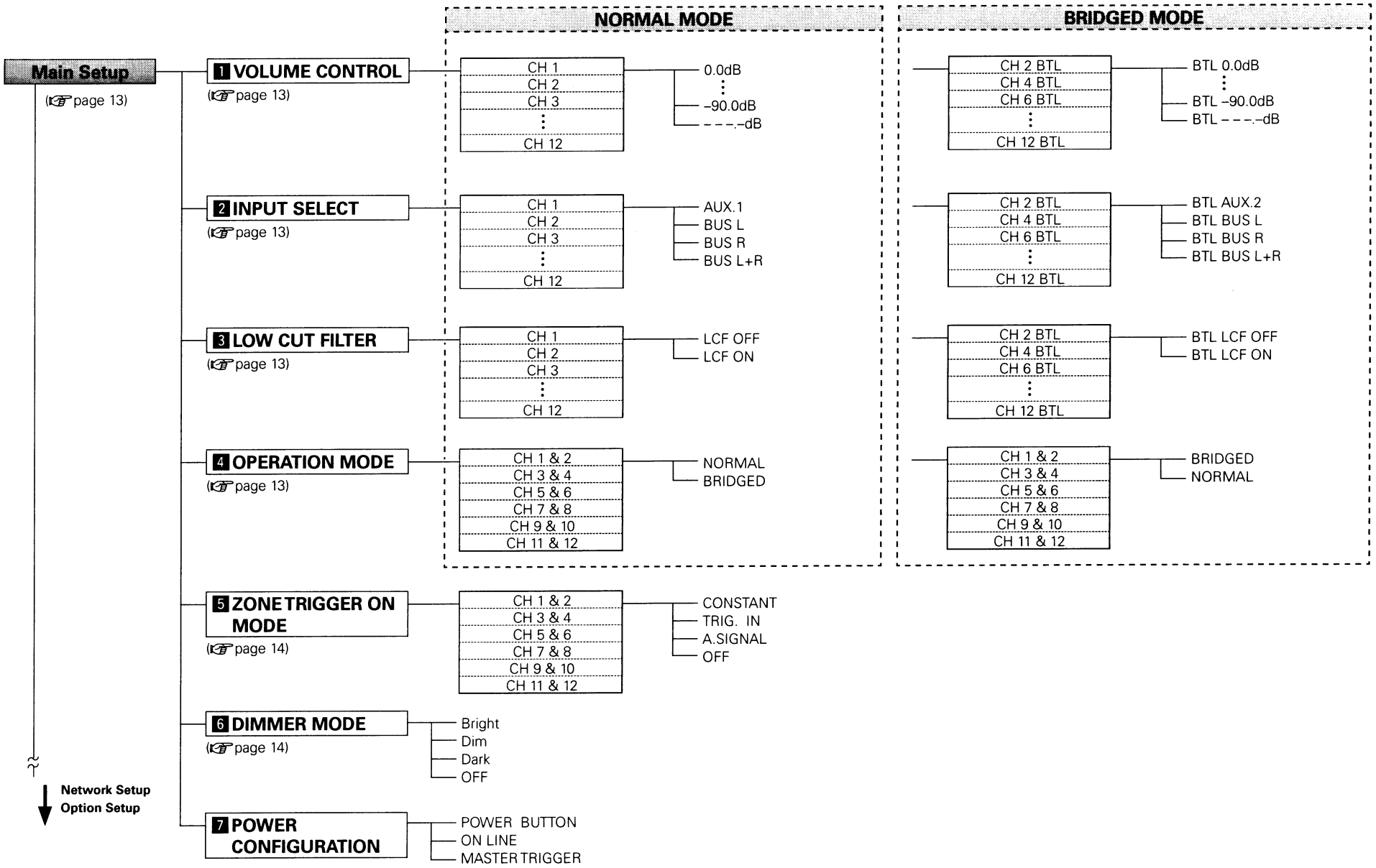
❑ **To return to higher level menu items**
Press the **△/RETURN** button.

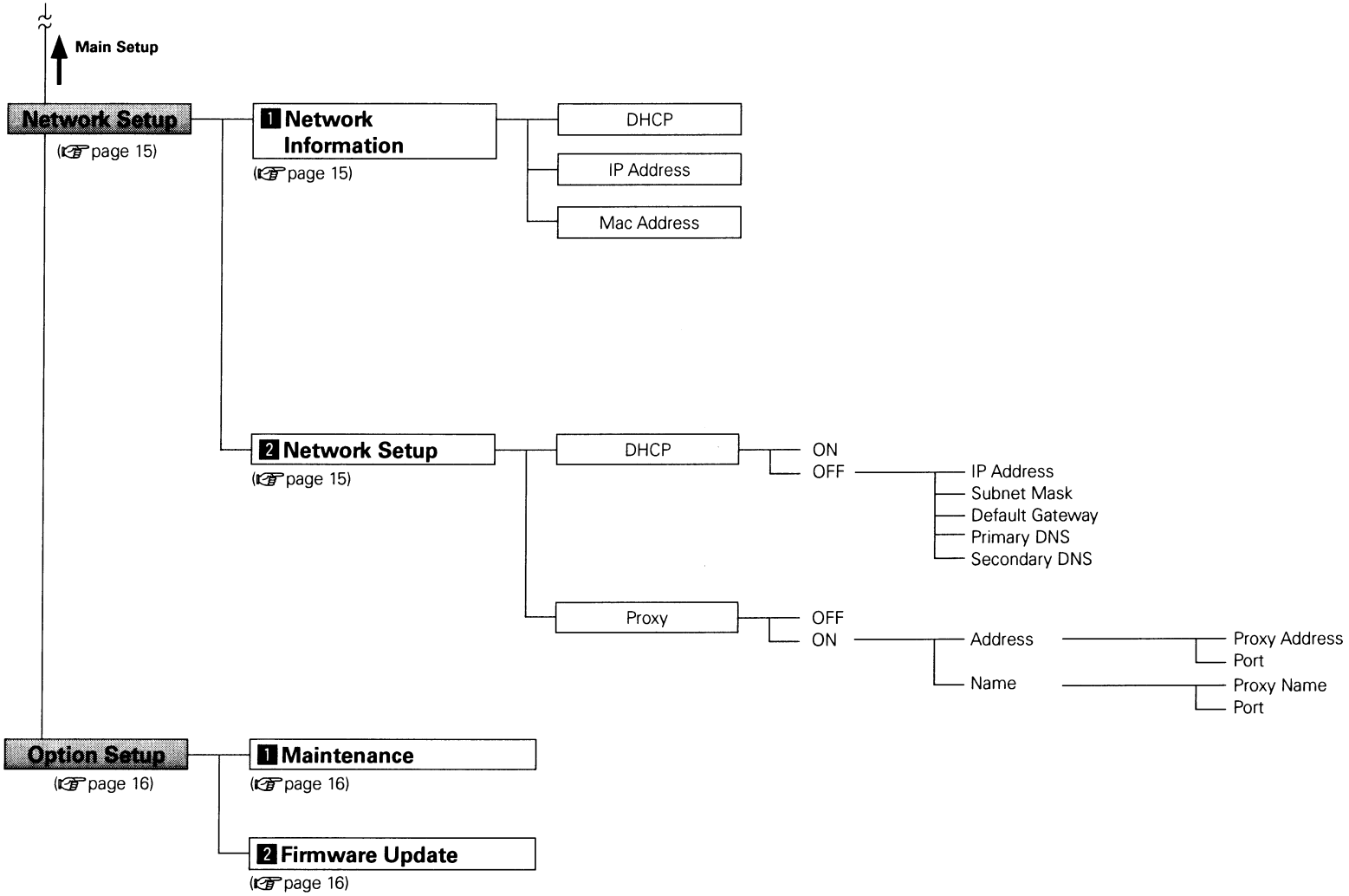
❑ **To confirm selected item**
Press the **SELECT/ENTER** knob.

❑ **To exit SETUP mode**
Press the **SETUP** button until the display returns to normal.

If you want to configure the settings for a specific ZONE, press the **ZONE 1 ~ 6** button for the ZONE concerned and configure the settings.
- In this case, the setting item of another ZONE is not displayed.
- To configure the settings for "DIMMER MODE" and "POWER CONFIGURATION", use the **SETUP** button to select "Main Setup" mode.

Menu Map


NORMAL MODE
BRIDGED MODE
Main Setup
(☞page 13)
1 VOLUME CONTROL
(☞page 13)
CH 1
CH 2
CH 3
CH 12
0.0dB
-90.0dB
---.-dB
CH 2 BTL
CH 4 BTL
CH 6 BTL
CH 12 BTL
BTL 0.0dB
BTL -90.0dB
BTL ---.-dB
2 INPUT SELECT
(☞page 13)
AUX.1
BUS L
BUS R
BUS L+R
BTL AUX.2
BTL BUS L
BTL BUS R
BTL BUS L+R
3 LOW CUT FILTER
(☞page 13)
LCF OFF
LCF ON
BTL LCF OFF
BTL LCF ON
4 OPERATION MODE
(☞page 13)
CH 1 & 2
CH 3 & 4
CH 5 & 6
CH 7 & 8
CH 9 & 10
CH 11 & 12
NORMAL
BRIDGED
BRIDGED
NORMAL
5 ZONE TRIGGER ON MODE
(☞page 14)
CONSTANT
TRIG. IN
A.SIGNAL
OFF
6 DIMMER MODE
(☞page 14)
Bright
Dim
Dark
OFF
Network Setup
Option Setup
7 POWER CONFIGURATION
POWER BUTTON
ON LINE
MASTER TRIGGER


Main Setup
Network Setup
(☞page 15)
1 Network Information
(☞page 15)
DHCP
IP Address
Mac Address
2 Network Setup
(☞page 15)
DHCP
ON
OFF
IP Address
Subnet Mask
Default Gateway
Primary DNS
Secondary DNS
Proxy
OFF
ON
Address
Proxy Address
Port
Name
Proxy Name
Port
Option Setup
(☞page 16)
1 Maintenance
(☞page 16)
2 Firmware Update
(☞page 16)

Main Setup

● Menu tree ●

Main Setup

- 1 VOLUME CONTROL
- 2 INPUT SELECT
- 3 LOW CUT FILTER
- 4 OPERATION MODE
- 5 ZONE TRIGGER ON MODE
- 6 DIMMER MODE
- 7 POWER CONFIGURATION

1 VOLUME CONTROL

Sets the volume level for each channel.

[Selectable Channels]

Channels which can be set in each mode.

	NORMAL MODE	BRIDGED MODE
CH 1	○	×
CH 2	○	○
CH 3	○	×
CH 4	○	○
CH 5	○	×
CH 6	○	○
CH 7	○	×
CH 8	○	○
CH 9	○	×
CH 10	○	○
CH 11	○	×
CH 12	○	○

Default: NORMAL MODE

○: Setting possible
×: Setting not possible

[Variable range] ----dB (–∞) **–90.0dB** ~ **0.0dB**

2 INPUT SELECT

Sets the input terminal for each channel.

[Selectable Channels]

For details of the channels which can be set in each mode, see [Selectable Channels] in " 1 VOLUME CONTROL".

[Selectable items]

AUX : AUDIO INPUT terminal of each ZONE.

BUS L : L terminal of BUS INPUT

BUS R : R terminal of BUS INPUT

BUS L+R : L and R terminals of BUS INPUT . Inputs a L and R mixed mono signal.

3 LOW CUT FILTER

Cuts the low frequency component of each channel. Turn this "ON" when there is a high volume of low frequency sound.

[Selectable Channels]

For details of the channels which can be set in each mode, see [Selectable Channels] in " 1 VOLUME CONTROL".

[Selectable items]

ON : Low frequency component is cut.

OFF : Low frequency component is not cut.

4 OPERATION MODE

Sets the output method for channels in each ZONE.

[Selectable Channels]

Sets each of the following channel pairs.

	NORMAL MODE	BRIDGED MODE
CH 1 & 2	○	○
CH 3 & 4	○	○
CH 5 & 6	○	○
CH 7 & 8	○	○
CH 9 & 10	○	○
CH 11 & 12	○	○

Default: NORMAL MODE

[Selectable items]

NORMAL : 2-channel output

BRIDGED : BRIDGED-channel output (1-channel output)

- During NORMAL MODE, ZONE operations mode indicators are lit green.
- During BRIDGED MODE, ZONE operations mode indicators are lit orange.

NOTE

The method of connecting speakers differs for each mode. Connect the speakers in accordance with the mode setting. For details, refer to "Speaker Connection" (☞page 5).

5 ZONE TRIGGER ON MODE

Sets the operating specifications for the power amplifiers of each ZONE.

[Selectable Channels]

For details of the channels which can be set in each mode, see 【Selectable Channels】in " 4 OPERATION MODE" (☞page 13).

[Selectable items]

CONSTANT : The power amplifier operates constantly.

TRIG. IN : The power amplifier operates when trigger input is detected.
When trigger input is not detected, it remains in standby mode.

A.SIGNAL : The power amplifier operates when an audio signal is input.
If no input is received for a period of 10 minutes, it switches to standby mode.

OFF : Turns the power amplifier off.

The POA-3012CI accepts +3 ~ 30V trigger input.

6 DIMMER MODE

Adjust display brightness of the POA-3012CI.

[Selectable items]

Bright : Normal display brightness.

Dim : Reduced display brightness.

Dark : Very low display brightness.

OFF : Display is off unless controls are operated.

When setting to "Dim", "Dark" and "OFF", the display brightness changes to "Bright" for about 3 seconds during the operation before reverting to the set brightness.

7 POWER CONFIGURATION

Select the method for turning on the POA-3012CI.

[Selectable items]

POWER BUTTON : Operate with the **ON/STANDBY** button only.

ON LINE : Operate from an external device via Ethernet or RS-232C input.

MASTER TRIGGER : Operate by detection of a trigger signal input to the MASTER TRIGGER input terminal.
- Turns on when a signal is detected.
- If no input is received for a period of 10 minutes, it switches to standby mode.

- The POA-3012CI accepts +3 ~ 30 V trigger input.
- Even when "ON LINE" or "MASTER TRIGGER" has been set, power source operation is possible by means of **ON/STANDBY** button.

Network Setup
Make network settings.

● Menu tree ●

- Main Setup
  - Network Setup
    - 1 Network Information
    - 2 Network Setup

- If you are using a broadband router (DHCP function), there is no need to make the settings at "Setting the IP Address" and "Setting the Proxy", since the DHCP function is set to "ON" in the POA-3012CI's default settings.
- If the POA-3012CI is being used connected to a network without the DHCP function, the network settings must be made. In this case, some knowledge of networks is required. For details, consult a network administrator.
- If you cannot connect to the Internet, recheck the connections and settings (☞page 8).
- If you do not understand about Internet connection, contact your ISP (Internet Service Provider) or the store from which you purchased your computer.

- **DHCP (Dynamic Host Configuration Protocol)** :
  These are systems by which the IP address and other network settings are automatically set for the POA-3012CI, computer, broadband router and network devices.
- **DNS (Domain Name System)** :
  This is a system for converting the domain names used when browsing Internet sites (for example, "www.denon.jp") into the IP addresses actually used for communications (for example, "202.221.192.106").

1 Network Information
Display network information.

[Items to be checked] **DHCP= ON or OFF** **IP Address** **MAC Address**

2 Network Setup
Make settings for wired LAN.

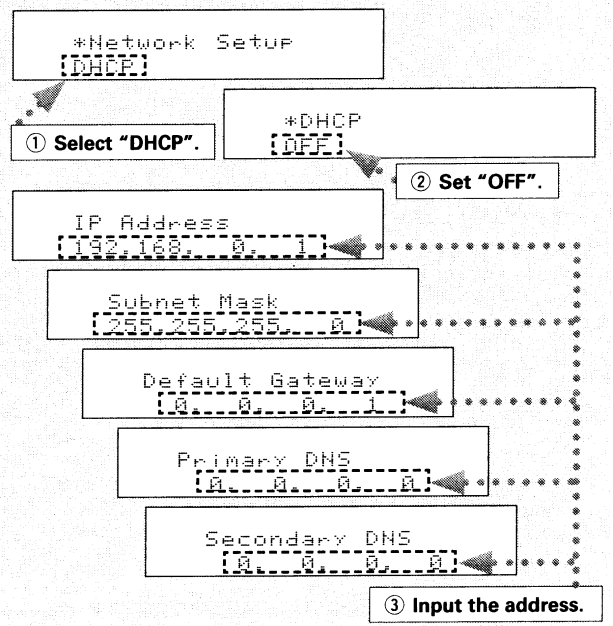
Wired LAN settings

Use this procedure to configure the Wired LAN settings.

1 Connect the LAN cable (☞page 8).

2 Turn on the POA-3012CI (☞page 17).
POA-3012CI performs automatic network setup due to the DHCP function.
When connecting to a network that has no DHCP function, perform the setting in step 3.

3 Set the IP address at the menu "Network Setup" – "Network Setup".



① Select "DHCP" and press the **SELECT/ENTER** knob.

② Turn the **SELECT/ENTER** knob to set "DHCP" to "OFF", then press the **SELECT/ENTER** knob.
The DHCP function is disabled.

③ Use the following buttons to input the address and press the **SELECT/ENTER** knob.

※ Button functions when entering address

SELECT/ENTER knob :	Turn·····Select
	Press·····Confirm
△ button :	Cursor to right
▽ button :	Cursor to left
ZONE 6 button :	Setting during address entry
ZONE 5 button :	Cancel entry

IP Address :
Set the IP address within the ranges shown below. The Network function cannot be used if other IP addresses are set.
CLASS A: 10.0.0.0 ~ 10.255.255.255
CLASS B: 172.16.0.0 ~ 172.31.255.255
CLASS C: 192.168.0.0 ~ 192.168.255.255

Subnet Mask :
When connecting an xDSL modem or terminal adapter directly to the POA-3012CI, input the subnet mask indicated in the documentation supplied by your provider. Normally input 255.255.255.0.

Default Gateway :
When connected to a gateway (router), input its IP address.

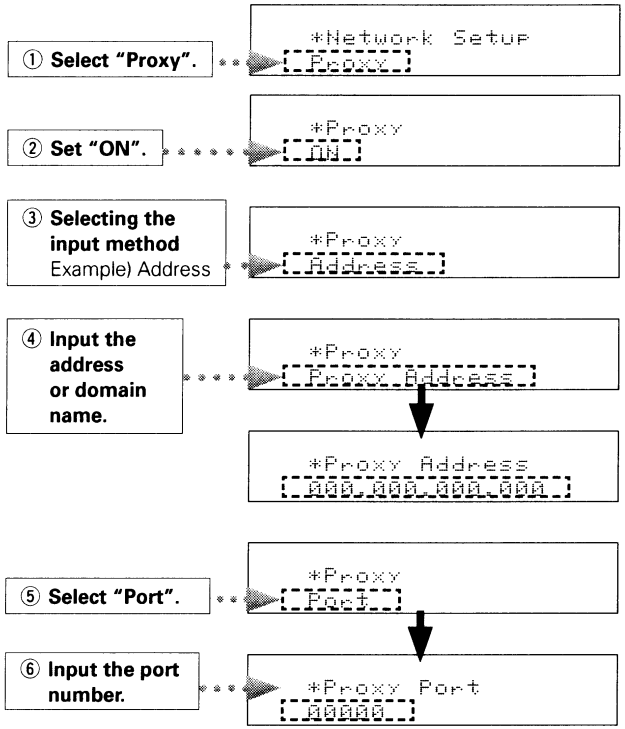
Primary DNS **Secondary DNS** :
If there is only one DNS address indicated in the documentation supplied by your provider, input it at "Primary DNS". If there are two or more DNS addresses, input the first one at "Secondary DNS".

④ Press the **SELECT/ENTER** knob.
Setup is complete.

※When connecting to the network via a Proxy server, select "Proxy" and press the **SELECT/ENTER** knob (☞page 16 "Proxy settings").

❑ Proxy settings

Make this setting when connecting to the Internet via a proxy server.



① Select menu "Network Setup" – "Network Setup" – "Proxy" and press the **SELECT/ENTER** knob.

② Turn the **SELECT/ENTER** knob to set "Proxy" to "ON" and press the **SELECT/ENTER** knob.
The proxy server is enabled.

③ Turn the **SELECT/ENTER** knob to select the proxy server input method, and then press the ▽ button.

[Selectable items]

Address : Select when inputting by address.

Name : Select when inputting by domain name.

[Characters that can be input]

A ~ Z **a ~ z** **0 ~ 9**

! # % & ' ( ) * + , - . / : ; = ¯ ? @ [\ ] (space)

④ Use the following buttons to input the proxy server address or domain name and press the **SELECT/ENTER** knob.

※ Button functions when entering address

SELECT/ENTER knob :	Turn·····Select
	Press·····Confirm
△ button :	Cursor to right
▽ button :	Cursor to left
ZONE 6 button :	Setting during address entry
ZONE 5 button :	Cancel entry
DISPLAY button :	Character insert/delete/overwrite
	Cursor ▶ : Character insert
	Cursor ◀ : delete
	Cursor ■ : overwrite

When "Address" is selected in step ③ : Input the address
When "Name" is selected in step ③ : Input the domain name

⑤ Turn the **SELECT/ENTER** knob to select the "Port" and press **SELECT/ENTER** knob.

⑥ Use the above buttons to input the proxy server port number and press the **SELECT/ENTER** knob.

⑦ Press the **SELECT/ENTER** knob.
Setup is complete.

Option Setup

Make various other settings.

● **Menu tree** ●

Main Setup

Option Setup

1 Maintenance

2 Firmware Update

1 Maintenance

This sets the function for maintenance by a DENON serviceperson or installer. (For professional use only.)

This function allows a DENON serviceperson or installer to check the POA-3012CI's status and make settings via the Internet.

NOTE

Only use this function if so instructed by a DENON serviceperson or installer.

2 Firmware Update

Update the firmware of the multi channel power amplifier.

Update Check

You can check for firmware updates. You can also check approximately how long it will take to complete an update.

Update Start

Execute the update process.
When updating starts, the power indicator lights red. "Updating ＊＊＊" is shown on the display during updating. Once updating is completed, "Updatingcomplete" is displayed.
"Latest firmware" is displayed when the firmware is the latest version.

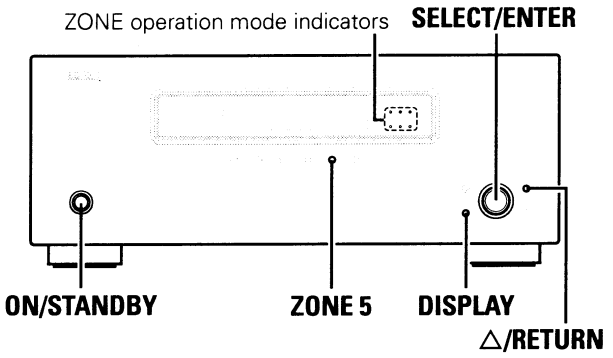
※ If the display reads as shown below, check the settings and network environment, then update again.

Display	Description
Updating failed	Updating failed.
Login failed	Failure to log into server.
Server is busy	Server is busy. Wait a while then try again.
Connection fail	Failure connecting to server.

NOTE

- Connection to the network and specific settings are required to update the firmware. For details, see page 8, 15.
- Do not turn off the power until updating is completed.
- Normally there is no need to use this function, aside from the cases described below.
  - The Firmware Update function is only used for updating the firmware (free or for a charge) via the Internet, for example for the purpose of adding functions to the POA-3012CI in the future.
  - Information regarding the Firmware Update function will be announced on the DENON web site each time related plans are defined.
  - A broadband connection to the Internet is required to use this function (☞ page 8).
  - Even with a broadband connection to the Internet, approximately 13 min is required for the updating procedure to be completed. Once updating starts, normal operations on the POA-3012CI cannot be performed until updating is completed.
    Furthermore, updating the firmware may reset the backup data for the parameters, etc., set for the POA-3012CI.

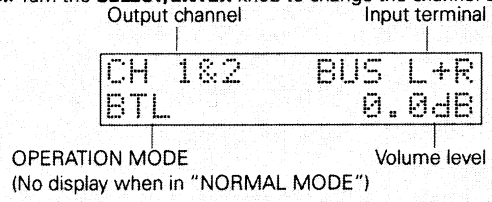
Operation



Turning the Power On

Press the ON/STANDBY button.
The power indicator flashes green and the power turns on.

※ The signal input to each channel is output from the speaker terminal of each channel.
※ The setting status of each channel is indicated on the display.
※ Turn the **SELECT/ENTER** knob to change the channel displayed.



❑ To return to STANDBY

Press the **ON/STANDBY** button again.
The power indicator lights red.

NOTE

- When the "POWER CONFIGURATION" is set to "MASTER TRIGGER", the device will automatically enter the standby status when no trigger input is detected for a period of 10 minutes.
- When the "POWER CONFIGURATION" is set to "ON LINE", send a standby command to the ETHERNET terminal or the RS-232C terminal of the POA-3012CI.
- Power continues to be supplied to some of the circuitry even when the power is in the standby mode. When leaving home for long periods of time or when traveling, unplug the power cord from the power outlet.

Check the Status of Each Channel

1 Press the DISPLAY button.

※ Zone status is indicated on the bottom line of the display.
※ Turn the **SELECT/ENTER** knob to change the display as follows.

Channel No. & INPUT Line ⟷ VOLUME CONTROL level ⟷ ZONE T.ON MODE ⟷ LOW CUT FILTER

2 Press the DISPLAY button again.

※ System status is indicated on the bottom line of the display.
※ Turn the **SELECT/ENTER** knob to change the display as follows.

POWER CONFIG ⟷ DIMMER

❑ To Return to the Regular Display

Press the **△/RETURN** button until the display returns to normal.

Other Operations

Other Operations During Playback

❑ To Adjust the Volume

Refer to "VOLUME CONTROL" on the "Main Setup" menu (☞page 13).

❑ To Switch Input Setting

Refer to "INPUT SELECT" on the "Main Setup" menu (☞page 13).

❑ To Reduce the Low Frequency Volume

Refer to "LOW CUT FILTER" on the "Main Setup" menu (☞page 13).

Operating the POA-3012CI Using a Browser (Web control)

This function lets you operate the POA-3012CI using Internet Explorer.

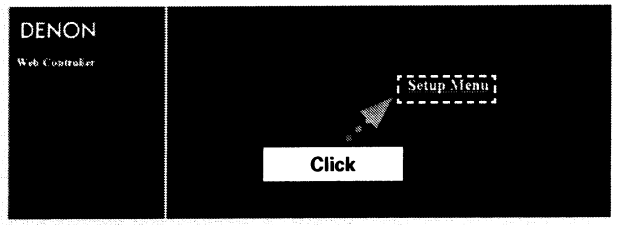
1 Check the POA-3012CI's IP Address.

"Network Setup" – "Network Information" (☞page 15)

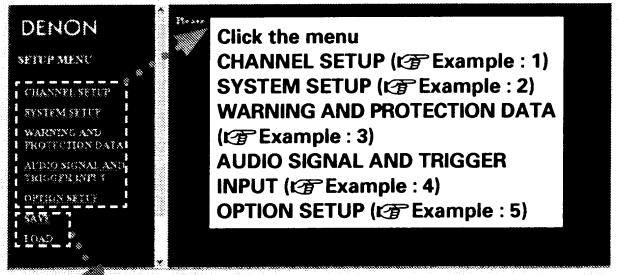
2 Input the POA-3012CI's IP Address in Internet Explorer.

For example, if the IP address is "10.3.18.90", enter http://10.3.18.90.

3 If the top menu is displayed, click "Setup Menu".



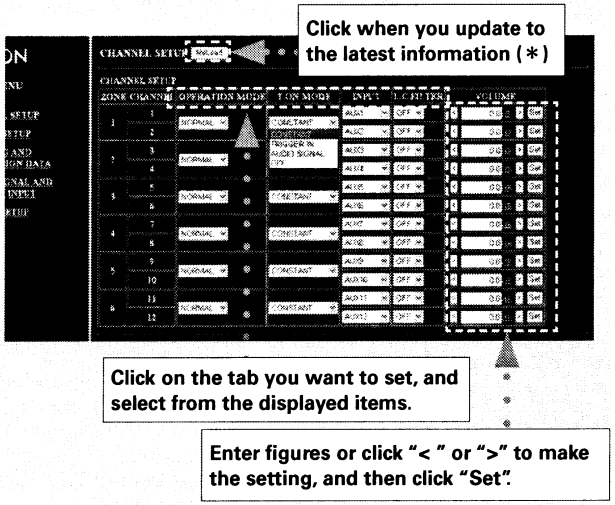
4 When the "Setup Menu" is displayed, click on the menu you want to operate.



Click "SAVE" when you want to save settings, and click "LOAD" when you want to call settings
Becomes each operation screen

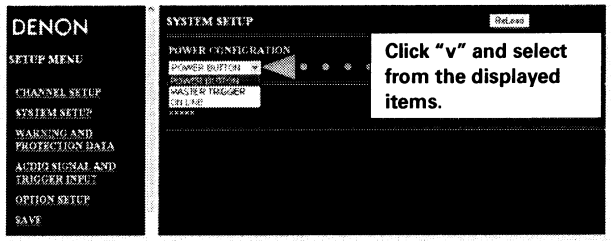
5 Operate.

[Example: 1] Channel Setup Screen

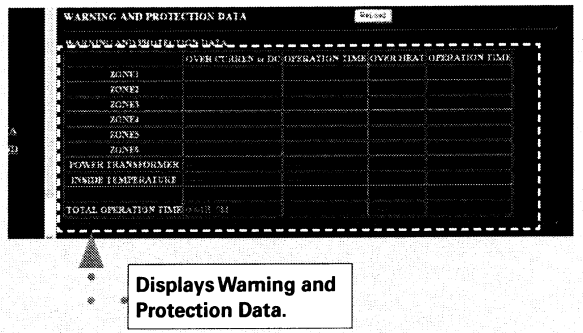

Click when you update to the latest information (*)
Click on the tab you want to set, and select from the displayed items.
Enter figures or click "< " or ">" to make the setting, and then click "Set".

*:Normally, there is a change to the latest information each time you operate. When operated from the main unit, click because the screen is not updated.

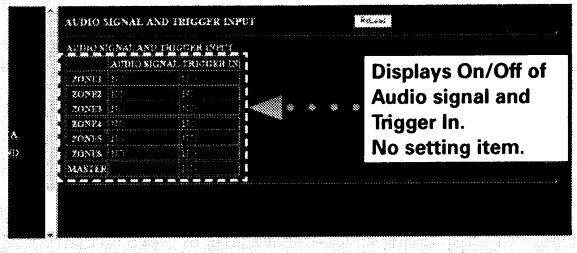
[Example: 2] System Setup Screen



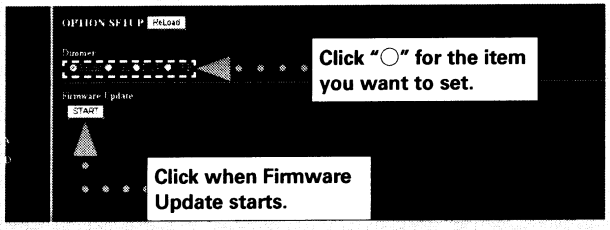
[Example: 3] Warning and Protection Data Screen



[Example: 4] Audio Signal and Trigger Input Screen



[Example: 5] Option Setup Screen



To use the web control function, set the menu "Main Setup"– "POWER CONFIGURATION" – "ON LINE" (☞page 14).

NOTE

- To perform web control, you must connect a web control device such as a PC to the same network as the POA-3012CI.
- With web control, some network settings, etc., cannot be set.
- When updating firmware, settings made by the web controller may be reset.

Resetting the Microprocessor

Perform this procedure if the display is abnormal or if operations cannot be performed.
When the microprocessor is reset, all the settings are reset to their default values.

1 **Unplug the power cord from the power outlet.**

2 **Connect the power cord to the power outlet while simultaneously pressing the ZONE 5 and DISPLAY buttons.**

3 **When all Zone operation mode indicators are illuminated in red and " *EEPROM INIT.* " is displayed, release finger from two buttons.**

If in step 3 the could not be start over from step 1.

Troubleshooting

Check the following before assuming there is a problem with the set:

1. **Are all connections proper?**
2. **Is the set being operated as described in the owner's manual?**
3. **Are the speakers and input components being operated properly?**

If the set does not seem to be operating properly, check the points listed below. If these points do not apply, the set may be damaged. Turn off the power immediately and contact your store of purchase.

Symptom	Cause	Countermeasure	Page
When the power is turned on, the power indicator does not light and no sound is produced.	• The power supply cord's plug is not fully plugged in.	• Make sure the unit is correctly plugged in and switched on at the mains socket.	10
The power indicator lights but no sound is produced.	• The speaker cables are not fully connected.	• Connect securely.	5
	• The device you want to listen to has not been selected.	• Insure the correct input is selected.	7
	• The volume control is set to minimum.	• Set to an appropriate level.	17
	• The input cable is not fully connected.	• Connect securely.	7
	• The speaker cable is not connected properly for the operation mode.	• Connect the speaker as required for the Operation Mode (NORMAL MODE or BRIDGED MODE).	5
	• The input connector is not connected properly.	• Connect the input connector correctly (in the case of BRIDGED input for each ZONE, input to an even-numbered channel.)	7
	• The "Turn On" command is not input from the external terminal when the ZONE TRIGGER ON MODE is set to ON LINE (the ZONE operation mode indicator is not lit).	• Send the "Turn On" command from the external device.	9, 14
	• Trigger voltage is not input to the TRIGGER IN terminal from the external device when the ZONE TRIGGER ON MODE is set to "TRIG. IN".	• Input the trigger voltage from the external device.	9, 14

Specifications

Rated output:	12-channel driving, NORMAL operation: 30 W x 12 ch (8 Ω/ohms, DIN 1 kHz with 0.7 % T.H.D.) 50 W x 12 ch (4 Ω/ohms, DIN 1 kHz with 0.7 % T.H.D.) 6-channel driving, BRIDGED operation: 100 W x 6 ch (8 Ω/ohms, DIN 1 kHz with 0.7 % T.H.D.)
Total harmonic distortion:	0.05% (Rated output: –3 dB, 8 Ω/ohms, 1 kHz)
Output terminals:	Speaker 4 ~ 16 Ω/ohms (NORMAL operation) Speaker 8 ~ 16 Ω/ohms (BRIDGED operation)
Input sensitivity / Input impedance:	550 mV / 47 kΩ/kohms (NORMAL operation) 275 mV / 47 kΩ/kohms (BRIDGED operation)
Gain:	29 dB (NORMAL operation) 35 dB (BRIDGED operation)
Frequency response:	5 Hz ~ 40 kHz (Low cut filter: OFF)
S/N raito:	95 dB (input terminals short-circuited, with A-weightied network)
Low cut filter:	Cut off freguency 80 Hz (–12 dB/oct. Low cut filter: ON)
Trigger in level:	3 ~ 30 V DC
Trigger out level:	12 V DC, 250 mA MAX
Power Supply:	AC 120 V, 60 Hz (North America model) / AC 230 V, 50Hz (Europe model)
Power Consumption:	2.5 A (North America model) / 230 W (Europe model) Standby: 0.5 W or less (When the "POWER CONFIGURATION" is set to "POWER BUTTON")
Maximum external dimension:	434 (W) x 171 (H) x 410 (D) mm (17-3/32" x 6-47/64" x 16-9/64")
Weight:	19.0 kg (Approx 41 lbs 14.2 oz)

※ For purposes of improvement, specifications and design are subject to change without notice.

DENON

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Printed in Japan 00D 511 4719 004

DENON control protocol

Ver. 5.1.7

Application model : POA-3012CI
Application terminal: RS-232C/ Ethernet

Connector specification

I . RS-232C

Connector type: DB-9pin female type, slave straight connection (DCE type)
(1pin : GND , 2pin : TxD , 3pin : RxD , 5pin : Common(GND) , 4,6,7,8,9pin : NC)

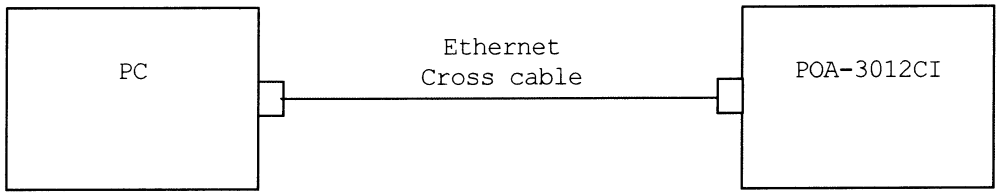
Communication format:

Synchronous system	: Tone step synchronization
Communication system	: A half duplex
Communication speed	: 9600bps
Character length	: 8 bits
Parity control	: None
Start bit	: 1 bit
Stop bit	: 1 bit
Communication procedure	: Non procedural
Communication data length	: 135 bytes (maximum)

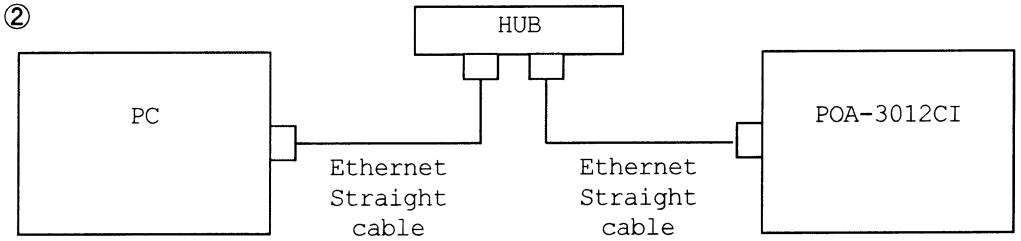
Ⅱ. Ethernet

Connector type : RJ-45(10BASE-T/100BASE-TX)

Example ①



Example ②



Communication format :

Communication system	: A half duplex
Communication speed	: 10Mbps/100Mbps
Communication port	: TCP port 23 (telnet)
Communication data length	: 135bytes (maximum)

NETWORK SETUP of POA-3012CI

>Procedure of Network Setup mode.

(1)Press MENU button and select "system set up" with rotary encoder, then System Setup Menu appears on FL-display.
(2)Select "Network Setup > Detail" .
(3)Set parameters described below.

<DHCP>	"ON"---Use this setting when DHCP server is on the local network.
	"OFF"---Use this setting when DHCP server is not on the local network.
<IP Address>	When <DHCP> sets "OFF", please set IP address.
	When <DHCP> sets "ON", you can confirm the IP address that is set by server.
<Subnet Mask>	When <DHCP> sets "OFF", please set Subnet Mask.
	When <DHCP> sets "ON", you can confirm the Subnet Mask that is set by server.
<Gateway>	Set the address of Gateway when Gateway is on the local network.
	Do not set this parameter when Gateway is not on the local network.
<Primary DNS>	Do not set this parameter.
<Second DNS>	Do not set this parameter.
<Proxy>	Set this parameter "OFF".

<Network Option: Standby Mode Power Saving>
(1)Press MENU button and select "power configuration", then Menu appears on FL-display.
(2)Set parameters described below.

"ON LINE"---Use this setting when using the POA-3012CI connected in a network.
"MASTER TRIGGER" or "POWER BUTTON"--- Use this setting when not using the POA-3012CI connected in a network.
This setting is reducing the power consumption in the standby mode.

Protocol specification

The following three data forms are defined.

COMMAND : The message sent to a system(POA-3012CI) from a controller(Touch Panel etc.)
A command to a system is given from a controller.

EVENT : The message sent to a controller (Touch Panel etc.) from a system (POA-3012CI)
The result is sent, when a system is operated directly and a state changes.
*The form of ***EVENT*** presupposes that it is the same as that of ***COMMAND***.
Refer to the following table for the contents of ***COMMAND* and ***EVENT***.

RESPONSE : The message sent to a controller (Touch Panel etc.) from a system (POA-3012CI)
if the 'request command' (***COMMAND***+?+CR(0x0D)) has came from a controller.
The ***RESPONSE*** should be sent within 200ms of receiving the ***COMMAND***.
*The form of ***RESPONSE*** presupposes that it is the same as that of ***EVENT***.

Basic specification: The command by ASCII CODE, parameter expression
*ASCII CODE which can be used is from 0x20 to 0x7F: the alphabet and the number of 0-9, and space (0x20), some signs, AND carriage return (0x0D) --- It is used only as a pause sign.

Command structure: COMMAND + CHANNEL + PARAMETER + CR (0x0D)

COMMAND: ASCII CODE of 2 characters
Ex. SI : Select Input source
SV : Volume setting
SO : Operation mode Setting
SF : Low cut filter Mode Setting
PW : system Power setting

CHANNEL : ASCII CODE of 2 characters (00 to 12)
Ex. 09 : channel number
00 : for system setting

PARAMETER : ASCII CODE (up to 25 characters)
Ex. BUSL : function name
BRIDGED: operation mode name
*Special Parameter--- ? : for request command

The example of a command * <CR> is the meaning of 0x0D.

SI09BUSL<CR> : Select Input source "BUS L" at channel 9.

SO06BRIDGED<CR> : Set Operation Mode to bridged mode at channel 5 & 6.

SV02UP<CR> : Master Volume UP at channel 2.

PW00ON<CR> : system PoWer ON

PW00STANDBY<CR> : system PoWer STANDBY

SI04?<CR> : Request command for now playing input source at channel 4 >> Return ***RESPONSE*** 'SI04****<CR>'

Others

A) ***COMMAND*** is receivable also during transmission of ***EVENT***.

B) The ***RESPONSE*** should be sent as opposed to the request command by all the commands with which an ***EVENT*** exists , not need to the another request commands(ex. SV command).

C) The ***PARAMETER*** (with ***COMMAND*** and ***RESPONSE***, ***EVENT***) of minimum level of MASTER VOLUME defines "99".

D) If the MASTER VOLUME & CHANNEL VOLUME set with 0.5dB step, the ***PARAMETER*** (with ***COMMAND*** and ***RESPONSE***, ***EVENT***) defines three ASCII characters as bellows.

Ex. MASTER VOLUME =	0dB :	SV90<CR>
	-0.5dB :	SV895<CR>
	-1.0dB :	SV89<CR>
	|	|
	-89.5dB :	SV005<CR>
	-90.0dB :	SV00<CR>
	---.-dB :	SV99<CR>

* At the **.0dB step, only uses two ASCII characters as ***PARAMETER***, same as usual.

K) Four seconds later, please transmit the next ***COMMAND*** after transmitting a power on ***COMMAND*** (PW00ON) .

COMMAND and PARAMETER list

COMMAND	*CHANNEL*	*PARAMETER*	function	example
PW	00	ON	POWER ON/STANDBY change	PW00ON<CR>
		STANDBY		PW00STANDBY<CR>
		?	Return PW Status	PW00?<CR>
SV	*01-12	UP	CHANNEL VOLUME UP/DOWN , direct change to **dB	SV01UP<CR>
		DOWN		SV01DOWN<CR>
		**	**:00 to 99 by ASCII , 90=0dB, 99=---(MIN)	SV0180<CR>
		?	Return channel volume Status	SV01?<CR>
SO	02-12(EVEN)	NOR	Operation mode NORMAL/BRIDGED change	SO02NOR<CR>
		BRI		SO02BRI<CR>
		?	Return operation mode status	SO02?<CR>
SF	*01-12	OFF	Channel Low Cut Filter OFF/ON change	SF05OFF<CR>
		ON		SF05ON<CR>
		?	Return channel Low Cut Filter status	SF05?<CR>
SI	*01-12	BUSL	Select input "BUS L"	SI06BUSL<CR>
		BUSR	BUS R	SI06BUSR<CR>
		BUSM	BUS MONO(L+R)	SI06BUSM<CR>
		AUX	AUX	SI06AUX<CR>
		?	Return channel Input status	SI06?<CR>
ST	02-12(EVEN)	CONT	constant	ST08CONT<CR>
		TRIG	Trigger in	ST08TRIG<CR>
		ASIG	Audio signal	ST08ASIG<CR>
		OFF	Off	ST08OFF<CR>
		?	Return Zone Turn On status	ST08?<CR>
	00	PBTN	Power button	ST00PBTN<CR>
		TRIG	MASTER TRIGGER	ST00TRIG<CR>
		ONLI	ON LINE	ST00ONLI<CR>
		?	Return Power ON status	ST00?<CR>

SV ***COMMAND*** : "*" parameter uses two or three ASCII characters. (see page6 D) section)

*01-12 : The ZONE that "Normal mode" was selected, odd and even ***CHANNEL*** selectable. If the ZONE that "BRIDGED mode" was selected, only an even number ***CHANNEL*** selectable.

COMMAND	CHANNEL	PARAMETER	function	example
SD	00	BRI	FL display's dimmer level change	SD00BRI<CR>
		DIM		SD00DIM<CR>
		DAR		SD00DAR<CR>
		OFF		SD00OFF<CR>
		?	Return dimmer status	SD00?<CR>
TI	02-12(EVEN)	?	Return channel trigger input	TI12?<CR>
	00	?	Return master trigger inputs	TI00?<CR>
AI	02-12(EVEN)	?	Return channel audio signal input	AI02?<CR>
PR	00	TR?	Return system(Main transformer) over heat data	PR00TR?<CR>
		IN?	Return system(Cabinet inside) over heat data	PR00IN?<CR>
		TM?	Return system total operation time	PR00TM?<CR>
	02-12(EVEN)	PR?	Return channel protection data	PR10PR?<CR>
		OH?	Return channel over heat data	PR10OH?<CR>

EVENT(or RESPONSE) and PARAMETER list

EVENT	*CHANNEL*	*PARAMETER*	function	example
PW	00	ON	POWER ON/STANDBY change	PWON<CR>
		STANDBY		PWSTANDBY<CR>
SV	*01-12	**	CHANNEL VOLUME change , **:00 to 99 by ASCII 90 = 0dB(MAX) 00 = -90dB 99 = ---(MIN)	SV80<CR>
SO	02-12(EVEN)	NOR	OPERATION MODE change	SO02NOR<CR>
		BRI		SO02BRI<CR>
SF	*01-12	OFF	Channel Low Cut Filter OFF/ON change	SF04OFF<CR>
		ON		SF04ON<CR>
SI	*01-12	BUSL	Channel INPUT source change	SI03BUSL<CR>
		BUSR		SI03BUSR<CR>
		BUSM		SI03BUSM<CR>
		AUX		SI03AUX<CR>
ST	02-12(EVEN)	CONT	Zone turn on mode change	ST06CONT<CR>
		TRIG		ST06TRIG<CR>
		ASIG		ST06ASIG<CR>
		OFF		ST06OFF<CR>
	00	PBTN	Power configuration change	ST00PBTN<CR>
		TRIG		ST00TRIG<CR>
		ONLI		ST00ONLI<CR>
SD	00	BRI	Dimmer level change	SD00BRI<CR>
	00	DIM		SD00DIM<CR>
	00	DAR		SD00DAR<CR>
	00	OFF		SD00OFF<CR>
TI	02-12(EVEN)	YES	Zone trigger input YES/NO change	TI12YES<CR>
		NO		TI12NO<CR>
	00	YES	Master trigger input YES/NO change	TI00YES<CR>
		NO		TI00NO<CR>
AI	02-12(EVEN)	YES	channel audio signal input YES/NO change	AI02YES<CR>
		NO		AI02NO<CR>

EVENT	*CHANNEL*	*PARAMETER*	function	example
PR	00	TROHWARN	MAIN TRANSFORMER OVER HEAT WARNING	PR00TROHWARN<CR>
		TROHNONE	MAIN TRANSFORMER OVER HEAT NONE	PR00TROHNONE<CR>
		INOHWARN	CABINET INSIDE OVER HEAT WARNING	PR00INOHWARN<CR>
		INOHNONE	CABINET INSIDE OVER HEAT NONE	PR00INOHNONE<CR>
			MAIN TRANSFORMER	
		TMOHTR01******	Over heat operation time (latest)	PR00TMOHTR01000130<CR>
		TMOHTR02******	Over heat operation time (latest 1st ago)	PR00TMOHTR02000140<CR>
		|	|	|
		TMOHTR20******	Over heat operation time (latest 19th ago)	PR00TMOHTR20000230<CR>
			******:000000 to 999999 by ASCII	
			, 000230 = 2hour30min	
			CABINET INSIDE	
		TMOHIN01******	Over heat operation time (latest)	PR00TMOHIN01000130<CR>
		TMOHIN02******	Over heat operation time (latest 1st ago)	PR00TMOHIN02000140<CR>
		|	|	|
		TMOHIN20******	Over heat operation time (latest 19th ago)	PR00TMOHIN20000230<CR>
			******:000000 to 999999 by ASCII	
			, 000230 = 2hour30min	
		TM******	Total operation time	PR00TM001120<CR>
			******:000000 to 999999 by ASCII	
			, 001120 = 11hour20min	
	02-12(EVEN)	PRWARN	ZONE POWER MODULE PROTECTION WARNING	PR08PRWARN<CR>
		PRNONE	ZONE POWER MODULE PROTECTION NONE	PR08PRNONE<CR>
		OHWARN	ZONE POWER MODULE OVER HEAT WARNING	PR08OHWARN<CR>
		OHNONE	ZONE POWER MODULE OVER HEAT NONE	PR08OHNONE<CR>
		PR******	Protection operation time	PR04PR000130<CR>
			******:000000 to 999999 by ASCII	
			, 000230 = 2hour30min	
		OH01******	Over heat operation time (latest)	PR04OH01000130<CR>
		OH02******	Over heat operation time (latest 1st ago)	PR04OH02000140<CR>
		|	|	|
		OH20******	Over heat operation time (latest 19th ago)	PR04OH20000230<CR>
			******:000000 to 999999 by ASCII	
			, 000230 = 2hour30min	

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- **Please consult the outlet where the equipment was purchased.**
- **Bitte wenden Sie sich an den Händler, bei dem Sie das Produkt gekauft haben.**
- **SVP veuillez consulter votre revendeur.**
- **Neemt u alstublieft contact op met het verkooppuntwaar u de apparatuur heeft gekocht.**
- **Por favor consulte en el establecimiento donde compró el equipo.**
- **Vänligen ta kontakt med butiken där du köpt utrustningen.**
- **Rivolgetevi al rivenditore che vi ha venduto l'apparecchio.**
- **Contacte a loja onde comprou o equipamento.**
- **請向你購入本機的商號查詢。**
- **请向你所购买本机的商行查询。**

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Spain	Gaplasa S.A.AV. Ing. Conde de Torroja, 25, 28022 Madrid Tel: 91-746-00-45 Fax: 91-329-44-57
Sweden	Hi-Fi Klubben Göteborg Skänegatan 25, 41252 Göteborg Tel:031 33 51010 Fax:031 33 51019
Switzerland	DKB household AG, Abteilung Elektronik. Eggbühlstrasse 28, CH-8052 Zürich, Switzerland Tel: 01-306-1626 Fax: 01-306-1690
Taiwan R.O.C.	D&M Sales and Marketing Taiwan Ltd. 6F-2 NO148, Songjiang Rd., Taipei City 10458, Taiwan R.O.C. Tel: 02-2522-1308 Fax: 02-2100-1175
Thailand	Mahajak Development Co., Ltd. 46 Mahajak Building, Sukhumvit Soi 3 (Nana-Nua) Klongtoey, Wattana, Bangkok Thailand. 10110 Tel: 66-2-256-0020 Fax: 66-2-253-1696
Turkey	Ertekin electronik tic. ve san. a.s. Galipdede Caddesi No.: 113 Kuledibi-Karaköy / Istanbul, Turkey Tel: +90(212)293-9515 Fax: +90(212)249-3512
U.A.E.	V.V. & SONS L.L.C. Street No-11/B, Road NO-128, Shed No-39 Al Khabisi, Deira, Dubai, U.A.E Tel: +971-4-266-2435, 268-4575 Fax: +971-4-266-2052
Ukraine	Mirs Ltd. Osipova str. 37/Office 1, 65012 Odessa, Ukraine Tel: +380 (482) 305530 Fax: +380 (482) 305555
United Kingdom & Eire	DENON UK A division of D&M Audiovisual Ltd. Moorbridge House, Padbury Oaks, 579 Bath Road, Longford, Middlesex, UB7 0EH, United Kingdom Tel: +44(0)1753-680568 Fax: +44(0)1753-689697
U.S.A.	DENON ELECTRONICS (USA), LLC (a D&M Holdings Company) 100 Corporate Drive, Mahwah, NJ 07430-2041 Tel: 800-497-8921 Fax: 888-544-8434
Vietnam	Anh Duy Manufacturing -- Trading Co., Ltd. 170 Ung Van Kheim St., Ward 25, Blinh Thanh Dist., HCMC, Vietnam Tel: +84 8 898 3424 Fax: +84 8 898 3425

* If there is no service center in your local area, please contact one of our overseas service centers, listed above, for follow-up service consultation.
* Ist kein Service-Center in Ihrer Nähe, setzen Sie sich bitte miteinem der hier aufgelisteten Adressen in Verbindung.
* Si il n'y a pas destation technique proche de chez vous, veuillez contacter nos l' un de noscentres techniques, listés ci dessous, pour toutes demandes techniques.
* Als er geen servicecenter bij uin de buurt is, neem dan contact op een een van onze bovengenoemdeservicecenters voor ondersteuning.
* Si no hay un servicio técnico en su zona, por favor contacte con uno de los servicios técnicos centrales, indicados abajo, para realizar un seguimiento de su consult.
* Om det inte finns någon auktoriserad Denon-verkstad där du bor, kontakta en av våra internationella servicecentra (se ovan).
* Se non ci sono dei centri assistenza autorizzati nella vostra zona, potete fare riferimento agli altri centri assistenza autorizzati, vedi elenco sopra, per qualsiasi consultazione tecnica.
* Caso não exista um centro de assistência técnica na sua área, consulte um dos centros acima apresentados
* 如若當地並無服務中心，請據上表所列本公司海外服務中心查詢售後服務事宜。
* 若当地无服务中心，请联系上述所列我们的海外服务中心，以便跟踪服务咨询。

DENON
www.denon.com

Denon Brand Company, D&M Holdings Inc.
Printed in Japan 00D 515 0921 908 EI 709

DENON®

LIMITED WARRANTY

(USA / CANADA)

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USA

DENON ELECTRONICS (USA), LLC
(a D&M Holdings Company)
100 Corporate Drive
Mahwah, NJ 07430-2041
(800) 497-8921
(888) 544-8434 Fax

DENON REGIONAL SUPER SERVICE CENTERS (Repair only-No parts orders please)

PYRAMID AUDIO
305 E. Braker Lane
Austin, TX 78753-2746
(512) 458-8292
(512) 453-4542 Fax

UNITED RADIO SERVICE
5717 Enterprise Parkway
E. Syracuse, NY 13057-2905
(800) 634-8606
(315) 446-8505 Fax

AUDIO SERVICES
544 Central Dr., Suite 101
Virginia Beach, VA 23454-5245
(757) 498-8277
(757) 498-9554 Fax

INNER SOUND
1416 S.E. Morrison Street
Portland, OR 97214-2646
(503) 238-1955
(503) 238-1787 Fax

NORMAN'S ELECTRONICS
3653 Clairmont Road
Atlanta, GA 30341-4907
(770) 451-5057
(770) 455-8337 Fax

GOLD CROWN ELECTRONICS
Victoria Business Park
129 E. Savarona Way
Carson, CA 90746-1406
(310) 538-8282
(310) 538-8281 Fax

SERVICE WIDE TECHNOLOGIES
2239 Curtiss Street
Downers Grove, IL 60515-4010
(630) 969-7333
(630) 969-7330 Fax

ELECTRONICE EXPRESS
1809 E. Fabyan Parkway
West Chicago, IL 60185
(630) 208-4600
(630) 208-4601 Fax

CANADA

D&M CANADA INC.
5-505 Apple Creek Boulevard
Markham Ontario, L3R 5B1
(905) 475-4085
(905) 475-4159 Fax

This warranty will be honored only in the **U.S.A**

DENON®

LIMITED WARRANTY

Length of Non-Transferable Warranty

This warranty on your DENON product which is distributed and warranted by DENON ELECTRONICS (USA), LLC remains in effect for the following periods from the date of the original consumer purchase from an AUTHORIZED DENON ELECTRONICS (USA), LLC DEALER.

Product Category

A / V Controller, A / V Receiver, AM / FM Receiver			AVC, AVR, DRA	2	YEAR(S)
DVD Receiver, DVD Home Theater System			ADV, S	1	
Digital Surround Decoder			AVD	3	
Pre-Amplifier, Digital Pre-Amplifier Power-Amplifier, Head Amplifier			PRA, AVP, DAP, POA, HA	3	
Tuner, Integrated Amplifier			TU, PMA	3	
CD Player, DVD Player			DCD, DCM, DP, DA, DVD, DVM	1	
Tape Recorder, CD Recorder, MD Recorder			DRM, DRR, DRS, DRW, CDR, CDRW, DMD	1	
System Audio			D (UPA, UTU, UDCM, UDR, USC, USR, UCD, UDRA) D-A, D-F, D-G, D-M, CDR-M, DRR-M, S	1	
Turntable	1	Autolift / Manual	DP-L, DP-M	4	
	2	Full Automatic	DP-F	2	
Speaker			SC	1	
Sub-woofer			DSW	2	
Microphone			DM-S	2	
Control Dock for iPod®			ASD	1	
Headphone			AH	1	
Home Theater System			DHT-FS	1	
Video Processor			DVP	3	
Cartridge			DL	90	DAYS
Remote Controller			RC	90	

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

What is Covered

Except as specified below, this Warranty covers all defects in material and workmanship in this product occurring during the above warranty periods. The following are not covered by the Warranty: (1) Any product which is not distributed in the U.S.A. by DENON ELECTRONICS (USA), LLC. (2) Any product which is not purchased in the U.S.A. from an authorized DENON dealer, unless the product is purchased through the U.S.A. Military Exchange Service where the Warranty will be One (1) year for all products listed above except in the case of Cartridges, Accessories, Remote Controller and Headphone which will remain at 90 days. (Note: AUTHORIZED DENON DEALERS can be identified by DENON AUTHORIZED DEALER sticker displayed in the stores. If you are uncertain as to whether a dealer is a DENON AUTHORIZED DEALER, please contact DENON as listed below). (3) Any product on which the serial number has been defaced, modified or removed. (4) Damaged deterioration or malfunction resulting from: a) Accident, act of nature, abuse, misuse, neglect, unauthorized product repair, opening of or modification or failure to follow instructions supplied with the product. b) Repair or attempted repair by anyone not authorized by DENON. c) Any shipment of the product (claim must be presented to carrier). (5) Items subject to wear from normal usage (tape heads, cartridges, stylus, battery, etc.). (6) Periodic check-ups which do not disclose any defect. (7) Use of the product outside the U.S.A. (8) Damaged magnetic tape or CD/DVD discs. (9) Use in industrial, commercial, and/or professional applications. (10) Any installation or removal charges resulting from product failure.

What We Will Pay For

If during the applicable warranty period from the date of original consumer purchase your DENON product is found to be defective by DENON, DENON will repair, or at its option, replace with new, used or equivalent model, such defective product without charge for parts or labor.

How to Obtain Warranty Performance

If your unit ever needs service, it may be taken or shipped to any authorized DENON service station or DENON ELECTRONICS (if you are uncertain as to whether a service station is DENON authorized, please contact DENON as listed below.) In all other cases, the following procedures apply whenever your unit must be transported for warranty service;

a. You are responsible for transporting your unit or arranging for its transportation.
b. If shipment of your unit is required;
   You must pay the initial shipping charges, but we will pay the return shipping charges if the repairs are covered by the Warranty.
c. WHEN RETURNING YOUR UNIT FOR WARRANTY SERVICE, A COPY OF THE ORIGINAL SALES SLIP MUST BE ATTACHED.
d. You should include the following: your name, address, daytime telephone number, model and serial number of the product and a description of the problem.
   In the case of a CD or DVD Player, please enclose ONE (1) disc that the unit has failed with for test reasons. It will be returned with the unit.

THIS WARRANTY IS VALID IN THE U.S.A. ONLY.

If your product does not require service, but you have questions regarding its operation, please contact our Technical Services Department as listed below.

THIS WARRANTY IS EXPRESSLY MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

OUR LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT OUR OPTION, OF ANY DEFECTIVE PRODUCT AND SHALL IN NO EVENT INCLUDE INCIDENTAL OR CONSEQUENTIAL COMMERCIAL OR PROPERTY DAMAGES OF ANY KIND. WE ARE NOT RESPONSIBLE FOR PRODUCTS LOST, STOLEN AND/OR DAMAGED DURING SHIPPING.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, but you may also have other rights which vary from state to state. This Warranty may not be altered other than in a writing signed by an officer of Denon Electronics USA, LLC.

DENON ELECTRONICS (USA), LLC
(a D&M Holdings Company)
100 Corporate Drive
Mahwah, NJ 07430-2041
(800) 497-8921
www.usa.denon.com

This warranty will be honored only in **Canada.**

DENON®

LIMITED WARRANTY

Length of Non-Transferable Warranty

This warranty on your DENON product which is distributed and warranted by D&M CANADA INC. remains in effect for the following periods from the date of the original consumer purchase from an AUTHORIZED D&M CANADA INC. DEALER.

Product Category

A / V Controller, A / V Receiver, AM / FM Receiver			AVC, AVR, DRA	2	YEAR(S)
DVD Receiver, DVD Home Theater System			ADV, S	1	
Digital Surround Decoder			AVD	3	
Pre-Amplifier, Digital Pre-Amplifier Power-Amplifier, Head Amplifier			PRA, AVP, DAP, POA, HA	3	
Tuner, Integrated Amplifier			TU, PMA	3	
CD Player, DVD Player			DCD, DCM, DP, DA, DVD, DVM	1	
Tape Recorder, CD Recorder, MD Recorder			DRM, DRR, DRS, DRW, CDR, CDRW, DMD	1	
System Audio			D (UPA, UTU, UDCM, UDR, USC, USR, UCD, UDRA) D-A, D-F, D-G, D-M, CDR-M, DRR-M, S	1	
Turntable	1	Autolift / Manual	DP-L, DP-M	4	
	2	Full Automatic	DP-F	2	
Speaker			SC	1	
Sub-woofer			DSW	2	
Microphone			DM-S	2	
Control Dock for iPod®			ASD	1	
Headphone			AH	1	
Home Theater System			DHT-FS	1	
Video Processor			DVP	3	
Cartridge			DL	90	DAYS
Remote Controller			RC	90	

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

What is Covered

Except as specified below, this Warranty covers all defects in material and workmanship in this product occurring during the above warranty periods. The following are not covered by the Warranty: (1) Any product which is not distributed in Canada by D&M CANADA INC. (2) Any product which is not purchased in Canada from an authorized DENON dealer. (Note: AUTHORIZED DENON DEALERS can be identified by DENON AUTHORIZED DEALER sticker displayed in the stores. If you are uncertain as to whether a dealer is a DENON AUTHORIZED DEALER, please contact D&M CANADA INC. as listed below). (3) Any product on which the serial number has been defaced, modified or removed. (4) Damaged deterioration or malfunction resulting from: a) Accident, act of nature, abuse, misuse, neglect, unauthorized product repair, opening of or modification or failure to follow instructions supplied with the product. b) Repair or attempted repair by anyone not authorized by DENON. c) Any shipment of the product (claim must be presented to carrier). (5) Items subject to wear from normal usage (tape heads, cartridges, stylus, battery, etc.). (6) Periodic check-ups which do not disclose any defect. (7) Use of the product outside Canada. (8) Damaged magnetic tape or CD/DVD discs. (9) Use in industrial, commercial, and/or professional applications. (10) Any installation or removal charges resulting from product failure.

What We Will Pay For

If during the applicable warranty period from the date of original consumer purchase your DENON product is found to be defective by DENON, DENON will repair, or at its option, replace with new, used or equivalent model, such defective product without charge for parts or labor.

How to Obtain Warranty Performance

If your unit ever needs service, it may be taken or shipped to any authorized DENON service station or D&M CANADA INC. (if you are uncertain as to whether a service station is DENON authorized, please contact D&M CANADA INC. as listed below.) In all other cases, the following procedures apply whenever your unit must be transported for warranty service;

a. You are responsible for transporting your unit or arranging for its transportation.
b. If shipment of your unit is required;
   You must pay the initial shipping charges, but we will pay the return shipping charges if the repairs are covered by the Warranty.
c. WHEN RETURNING YOUR UNIT FOR WARRANTY SERVICE, A COPY OF THE ORIGINAL SALES SLIP MUST BE ATTACHED.
d. You should include the following: your name, address, daytime telephone number, model and serial number of the product and a description of the problem.
   In the case of a CD or DVD Player, please enclose ONE (1) disc that the unit has failed with for test reasons. It will be returned with the unit.

THIS WARRANTY IS VALID IN CANADA ONLY.

If your product does not require service, but you have questions regarding its operation, please contact our Technical Services Department as listed below.

THIS WARRANTY IS EXPRESSLY MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

OUR LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT OUR OPTION, OF ANY DEFECTIVE PRODUCT AND SHALL IN NO EVENT INCLUDE INCIDENTAL OR CONSEQUENTIAL COMMERCIAL OR PROPERTY DAMAGES OF ANY KIND. WE ARE NOT RESPONSIBLE FOR PRODUCTS LOST, STOLEN AND/OR DAMAGED DURING SHIPPING.

SOME PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, but you may also have other rights which vary from province to province. This Warranty may not be altered other than in a writing signed by an officer of D&M Canada Inc.

D&M CANADA INC.
5-505 Apple Creek Boulevard
Markham, Ontario
L3R 5B1
(905) 475-4085
www.denon.ca

Cette garantie ne sera honorée qu'au **Canada.**

DENON®

GARANTIE LIMITÉE

Durée du garantie non-transférable

La garantie de votre produit DENON, distribué et garanti par D&M CANADA INC. prend effet à partir de la date d'achat du consommateur original auprès d'un revendeur official D&M CANADA INC. pendant les périodes suivantes.

Catégorie de produit

Contrôleur A / V, Récepteur A / V, Récepteur AM / FM			AVC, AVR, DRA	2	ANNÉES
Récepteur DVD, Système DVD Home Theater			ADV, S	1	
Décodeur surround numérique			AVD	3	
Préamplificateur, préamplificateur numérique Amplificateur de puissance, Préamplificateur phono			PRA, AVP, DAP, POA, HA	3	
Syntoniseur, amplificateur intégré			TU, PMA	3	
Lecteur CD, Lecteur DVD			DCD, DCM, DP, DA, DVD, DVM	1	
Magnétocassette, Enregistreur CD, Enregistreur MD			DRM, DRR, DRS, DRW, CDR, CDRW, DMD	1	
Système Audio			D (UPA, UTU, UDCM, UDR, USC, USR, UCD, UDRA) D-A, D-F, D-G, D-M, CDR-M, DRR-M, S	1	
Table tournante	1	Levée auto	DP-L, DP-M	4	
	2	Auto complet	DP-F	2	
Haut-parleurs			SC	1	
Sub-woofer			DSW	2	
Micro			DM-S	2	
Dock de contrôle pour iPod®			ASD	1	
Casque d'écoute			AH	1	
Système Home Theater			DHT-FS	1	
Processeur vidéo			DVP	3	
Cellule phonolectrice			DL	90	JOURS
Télécommande			RC	90	

Apple et iPod sont des marques commerciales d'Apple Inc., déposées aux Etats-Unis et dans d'autres pays.

Couverture

Cette garantie couvre tous les défauts de matériel ou de fabrication du produit, à l'exception de ceux indiqués ci-après qui conforrment selon les termes durant la periode de la garantie. Ne sont pas couverts par la garantie: (1) Tout produit qui n'est pas distribué au Canada par D&M CANADA INC. (2) Tout produit qui n'a pas été acheté au Canada auprès d'un revendeur officiel DENON (Note: On peut identifier les revendeurs officiels DENON par leur auto-collant "REVENDEUR OFFICIEL DENON" affiché dans leur magasin. Si vous doutez qu'un revendeur soit officiellement reconnu, contactez D&M CANADA INC. à l'adresse ci-dessous.) (3) Tout produit dont le numéro de série a été effacé, modifié ou enlevé. (4) Dommages dus à la détérioration ou à un fonctionnement défectueux à la suite de: a) accident, acte de la nature, abus, utilisation impropre, négligence, réparation au moyen d'un produit non autorisé, debalé, modification, emploi contraire aux instructions fournies avec le produit, b) réparation ou tentative de réparation par quelqu'un non reconnu par DENON. c) tout envoi du produit (la réclamation doit être présentée au transporteur), (5) Articles sujets à détérioration par l'usage (têtes de magnétophone, cellules phono, pointes de lecture phono, piles, etc.). (6) Vérification périodique qui ne révèle aucun défaut. (7) Utilisation du produit hors du Canada. (8) Bandes magnétiques, disques CD ou DVD endommagés. (9) Utilisation commerciale, industrielle ou professionnelle. (10) Toutes charges d'installation ou de déplacement résultant d'un défaut du produit.

Notre paiement

Si votre produit DENON est reconnu défectueux par DENON durant la période d'application de la garantie après la date d'achat du consommateur, DENON réparera ou, à son choix, remplacera avec un modèle neuf, usagé ou équivalent ce produit défectueux sans frais de pièces ni de main d'œuvre.

Exécution de la garantie

Si votre produit nécessite service, il peut être envoyé à tout atelier de service officiel DENON ou chez D&M CANADA INC. (Si vous doutez que l'atelier de service soit officiellement reconnu, contactez D&M CANADA INC. à l'adresse ci-dessous). Dans tous les autres cas, les procédures suivantes s'appliquent si votre article doit être transporté pour un service sous garantie.

a. Vous êtes responsable du transport de votre article ou vous devez vous arranger vous-même pour son transport.
b. Si votre article doit être envoyé, vous devez payer les frais d'envoi initiaux, mais nous payerons les frais de retour si la garantie couvre les réparations.
c. LORSQUE VOUS RENVOYEZ VOTRE ARTICLE POUR UN SERVICE SOUS GARANTIE, VOUS DEVEZ JOINDRE UNE COPIE DE LA FACTURE D'ACHAT D'ORIGINE.
d. Vous devez inclure également vos nom, adresse, numéro de téléphone de jour, numéros de modèle et de série du produit et une description du problème. Dans le cas d'un lecteur CD ou DVD, joindre un disque que l'appareil n'a pu lire pour test. Il vous sera retourné avec l'article.

CETTE GARANTIE EST VALABLE SEULMENT AU CANADA.

Si votre produit ne requiert aucun service mais que vous avez des questions quant à son fonctionnement, contactez notre département technique dont l'adresse figure ci-dessous.

CETTE GARANTIE EST EXPRESSÉMENT FAITE EN LIEU ET PLACE DE TOUTES LES AUTRES GARANTIES EXPRIMÉES OU SOUS-ENTENDUES' Y COMPRIS, SANS SE LIMITER À CELLES-CI, LES GARANTIES MARCHANDES ET SPÉCIFIQUES POUR UN USAGE PARTICULIER.

NOTRE RESPONSABILITÉ SE LIMITE À LA RÉPARATION OU AU REMPLACEMENT, À NOTRE CHOIX, DE TOUT PRODUIT DÉFECTUEUX ET N' INCLUT EN AUCUN CAS DES DOMMAGES FORTUITS, COMMERCIAUX INDIRECTS NI MATÉRIELS D'AUCUNE SORTE. NOUS NOUS SOMMES PAS RESPONSABLES POUR LA PERTE DE LES PRODUITS ET/OU LES MARCHANDISES ENDOMMAGEES PENDANT LE TRNASPORT DES BIENS.

CERTAINES PROVINCES NE PERMETTENT PAS DE LIMITES QUANT À LA DURÉE D'UNE GARANTIE SOUS-ENTENDUE ET/OU NE PERMETTENT PAS L'EXCLUSION DE DOMMAGES FORTUITS. LES LIMITATIONS ET EXCLUSIONS MENTIONNÉES PLUS HAUT PEUVENT NE PAS S'APPLIQUER À VOTRE CAS.

Cette garantie vous donne des droits légaux spécifiques, mais il se pourrait que vous ayez d'autres droits qui varient d'une province à l'autre. La garantie ne peut être modifiée que par un document signé par un gestionnaire autorisé de D&M Canada.

D&M CANADA INC.
5-505 Apple Creek Boulevard
Markham, Ontario
L3R 5B1
(905) 475-4085
www.denon.ca